SUBSURFACE INVESTIGATION, SENSITIVE RECEPTOR SURVEY SITE CONCEPTUAL MODEL AND CLOSURE REQUEST

Former Elk Grove Ford Facility
9483/9499 Stockton Boulevard
Elk Grove, California

Prepared For:
Mr. Thaxter Arterberry
Calvary Christian Center
P.O. Box 15010
Sacramento, California 95851

Prepared By:
Apex Envirotech, Inc.

Apex Project No: CCH01.001

June 8, 2005

APEX
ENVIROTECH, INC.

11244 Pyrites Way • Gold River, CA 95670
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June 8, 2005

Mr. Rick Liebold
County of Sacramento
Environmental Management Department
8475 Jackson Road, Suite 230
Sacramento, California 95826

Subject: **Subsurface Investigation, Sensitive Receptor Survey**
Site Conceptual Model and Closure Request
Former Elk Grove Ford Facility
9483/9499 Stockton Boulevard, Elk Grove, California
Apex Project No. CCH01.001

Dear Mr. Liebold:

Apex Envirotech, Inc. (Apex), has been authorized by the Calvary Christian Center (Calvary) to provide this results report for sampling of seven direct-push soil borings and the completion of a sensitive receptor survey and site conceptual model for the subject property (Figures 1 and 2). This report was prepared in response to the Sacramento County Environmental Management Department (SCEMD) letter dated July 28, 2004 (Appendix A).

This report has been developed, in part, on the basis of information obtained by Apex from Calvary and is subject to modification as newly acquired information may warrant.

SITE DESCRIPTION

Prior to the purchase of the site located at 9483 and 9499 East Stockton Boulevard, the property was owned and operated by the Elk Grove Ford Dealership. The former Elk Grove Ford Dealership was constructed between 1961 and 1968. Site improvements were made between 1975 and 1987. The property consists of two buildings joined by a canopy accessing the rear parking lot and a domestic water well with an inoperable pump, including a 5,000-gallon holding tank.

BACKGROUND

August 29, 1986 - Three underground storage tanks (USTs)were removed from beneath the canopy area, two 1,000-gallon fuel USTs and one 500-gallon waste oil UST.

February 27, 2003 - GRIBI Associates (GRIBI) was contracted to conduct a Phase I site assessment for Calvary. Upon completion of the file review, GRIBI recommended conducting a Phase II to determine the possibility that soil and groundwater contamination exists from past site activities.

March 11 and 12, 2003 - GRIBI conducted a site assessment including drilling and sampling of 11 soil borings. The 11 soil borings were advanced using a hand auger, and nine additional soil borings were installed using a hollow stem auger. Soil samples were analyzed for hydrocarbons and metals. The laboratory results indicated the presence of gasoline, diesel, motor oil, volatile organic compounds, and CAM 5 metals (cadmium, chromium, lead, nickel, and zinc).

March 25, 2003 - GRIBI submitted a Phase II site assessment report to Calvery concluding that soil contamination is possibly a result of the former USTs, waste oil fill pipe, and/or the oil/water separator from the former vehicle wash area.

DIRECT-PUSH SOIL BORINGS AND SAMPLING

On May 26 and 27, 2005, Apex personnel supervised the installation and sampling of seven direct-push soil borings (GP-1 through GP-7Ang) as shown on Figure 3. The borings were drilled by Woodward Drilling Co. of Rio Vista, California according to the Apex standard operating procedures (SOP) included as Appendix B.

Borings GP-1 and GP-3 through GP-6 were continuously sampled to a depth of 11-feet below ground surface (bgs). Due to the presence of strong odor, boring GP-2 was continuously sampled to a depth of 19-feet bgs. Boring GP-7Ang was drilled at a 35 degree angle beneath the adjacent building to approximately 11.5-feet bgs. Boring logs for borings GP-1 through GP-6 are included as Appendix C.

Soil samples collected from soil borings GP-1 through GP-6 were submitted, under chain-of-custody (COC), to Sunstar Laboratories of Tustin, California, a California state-certified laboratory, for analysis of:

Analysis	Abbreviation	Designation	USEPA Method No.
Total Petroleum Hydrocarbons as Gasoline	TPHg	Fuel-Range Hydrocarbons	8015 Modified
Total Petroleum Hydrocarbons as Diesel	TPHd		
Total Petroleum Hydrocarbons as Motor Oil	TPHmo		
Benzene	BTEX	Aromatic Volatile Organics	8021B
Toluene			
Ethylbenzene			
Xylenes (Total)			

Sample GP-7Ang was analyzed for volatile and semi-volatile organic compounds, polychlorinated biphenyls, polynuclear aromatic compounds, CAM5 metals and total oil and grease.

Table 1 summarizes the soil analytical results. Copies of the laboratory analytical report and COC form are included in Appendix D.

DOMESTIC WELL SAMPLING

As part of the approved workplan, Apex personnel had planned to collect a groundwater sample from the onsite domestic well. However, during construction activities at the site, the electrical line to the domestic well was damaged. The holding tank is currently being used to hold municipal water, therefore no water sample was collected during field activities.

SENSITIVE RECEPTOR SURVEY

Wells

Apex personnel conducted a well search on May 31, 2005 at the Sacramento office of the Department of Water Resources (DWR), there were no wells were identified to be within a 2,000-foot radius of the subject site. Apex conducted a physical search for sensitive receptors within 500 feet of the site on May 26, 2005. One domestic well onsite was identified with the search radius (Figure 4).

Surface Waters

One surface water body was identified within 500-feet of the site. Laguna Creek is located on the southern property line of the site. Two additional waterways were identified to be outside the 500-foot radius, White House Creek is located one mile north and the Consumnes River is located 6.5 miles west of the subject site.

SITE CONCEPTUAL MODEL

Site Geology

Between March 11, 2003 and May 27, 2005, 11 hand auger borings (HB-1 through HB-11), 9 hollow stem auger borings (AB-1 through AB-9) and 7 direct push borings (GP-1 through GP-7Ang) were drilled and sampled at the site. The borings were logged according to the Unified Soil Classification System using manual and visual methods. Sedimentology for the upper 20-feet of the site consists of alternating units of silt, clay and silty to clayey sand. No drilling activities have been performed past this depth. Boring logs for 16 of the borings are located in Appendix C. Cross-sections constructed from west to east (A-A') and north to south (B-B') (Figure 3) in the area of concern are presented as Figures 5 and 6, respectively.

Site Hydrology

No data has been collected to date, but given historical data for the surrounding area groundwater is anticipated to occur at approximately 100-feet bgs.

Excavation of Petroleum Impacted Soils

On August 29, 1986, three underground storage tanks were removed from beneath the canopy area, two 1,000-gallon fuel USTs and one 500-gallon waste oil UST. The total aerial extent of the excavation during the UST removal process is presented in Figure 3. The total vertical extent is shown in Figures 5 and 6.

Distribution of Residual Hydrocarbons in Soil

Laboratory analyses of all soil samples collected during soil boring installations are summarized in Table 1. Sample locations are presented in Figures 2 and 3. Cross-sections depicting the inferred lateral and vertical extent of residual total petroleum hydrocarbons in soil are presented in Figures 5 and 6.

Distribution of Dissolved Hydrocarbons in Groundwater

No data has been collected to date.

Distribution of Separate-Phase Hydrocarbons in Groundwater

No data has been collected to date

CONCLUSIONS AND RECOMMENDATIONS

Based on soil laboratory analytical results, the subject site has been impacted by petroleum hydrocarbons in the vicinity of the former USTs. Laboratory analytical results and the cross-sections presented in Figures 5 and 6 show petroleum hydrocarbon concentrations for gas and motor oil in soil are concentrated around boring HB-7 with the highest concentrations at 2- and 4-feet bgs. Though concentrations were detected at a depth of 21.5-ft bgs, the order of magnitude was two times less that detected at 4-ft bgs and was likely caused by down-drag or cross-contamination during drilling activities. Further analytical data from adjacent borings indicate that concentrations of petroleum hydrocarbons are confined in clay and tight silts above 10-feet bgs.

Due to the deep water table (100-feet bgs) and the confining nature of the surrounding subsurface, Apex believes that the remaining in situ contamination does not pose a danger or risk to public health and recommends that the site be granted No Further Action status.

REPORT DISTRIBUTION

A copy of this report was submitted to:

Regulatory Oversight:	Mr. Rick Liebold County of Sacramento Environmental Management Department 8475 Jackson Road, Suite 230 Sacramento, California 95826 (916) 875-8550
Responsible Party:	Mr. Thaxter Arterberry Calvary Christian Center PO Box 15010 Sacramento, California 95851

REMARKS/ SIGNATURES

The information contained within this report reflects our professional opinions and was developed in accordance with currently available information, and accepted hydrogeologic and engineering practices.

The work described above was performed under the direct supervision of the professional geologist, registered with the State of California, whose signature appears below.

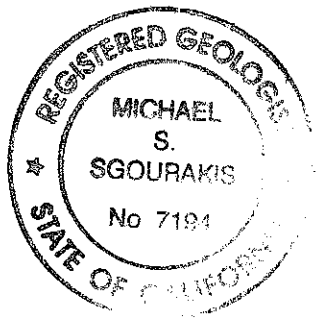
We appreciate the opportunity to provide you geologic, engineering and environmental consulting services, and trust this report meets your needs. If you have any questions or comments, please call us at (916) 851-0174.

Sincerely,

APEX ENVIROTECH INC.

Rebekah A Westrup
Apex Project Manager

Michael S. Sgourakis, R.G.
Senior Geologist
CRG No. 7194

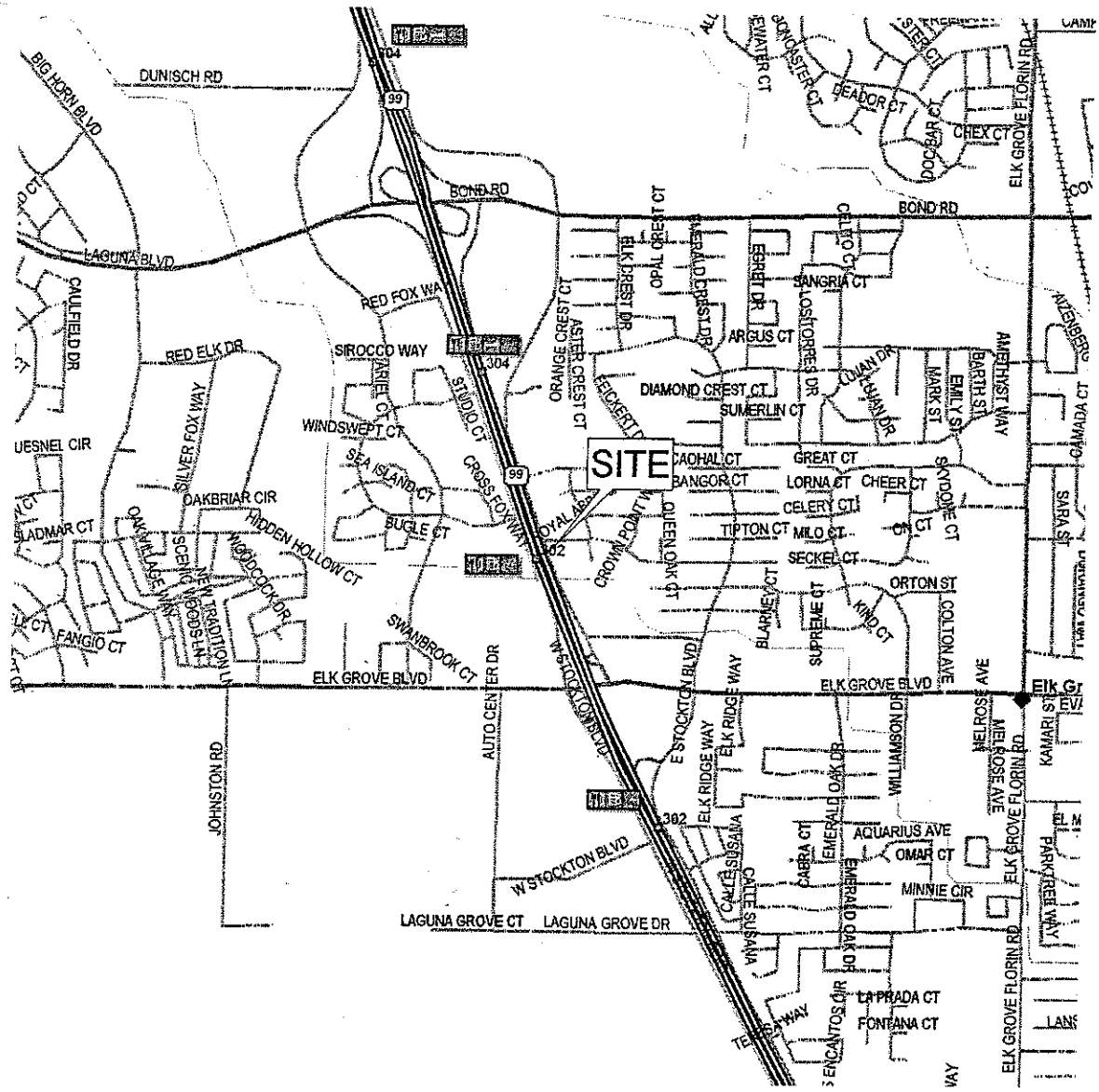


FIGURES:

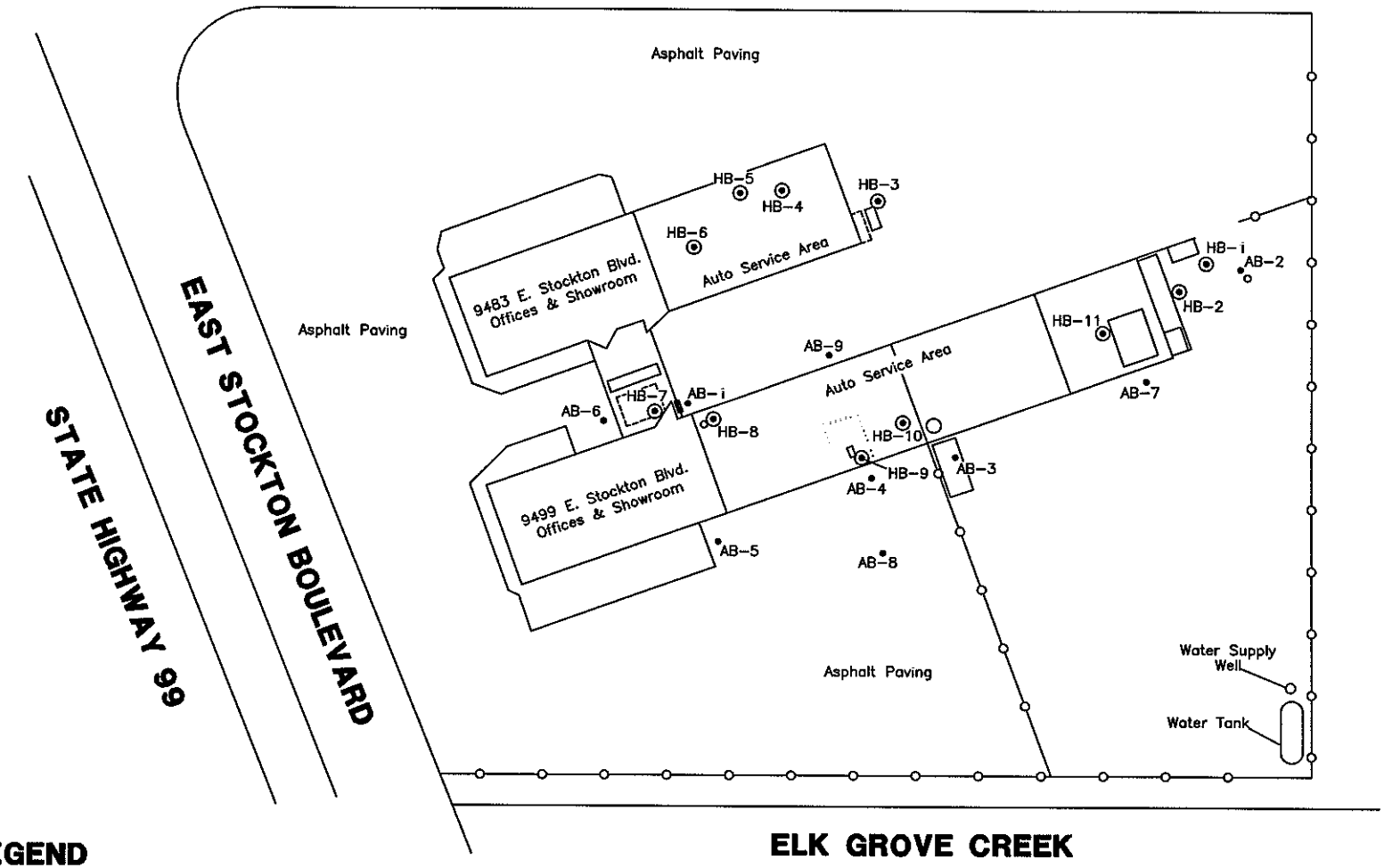
TABLE:

APPENDICES:

FIGURES



APEX ENVIROTECH, INC	DRAWN BY: J. Curry DATE: 06/03/05 REVISIONS	**SITE VICINITY MAP** Calvary Christian Center 9483 & 9499 E. Stockton Boulevard Elk Grove, California	FIGURE **1** PROJECT NUMBER: CCH01.001



LEGEND

- • Hollow Stem Auger Boring Location
- ⊙ Hand Auger Boring Location

0 60 120

Approximate Scale
1 inch = 60 feet

APEX ENVIROTECH, INC.

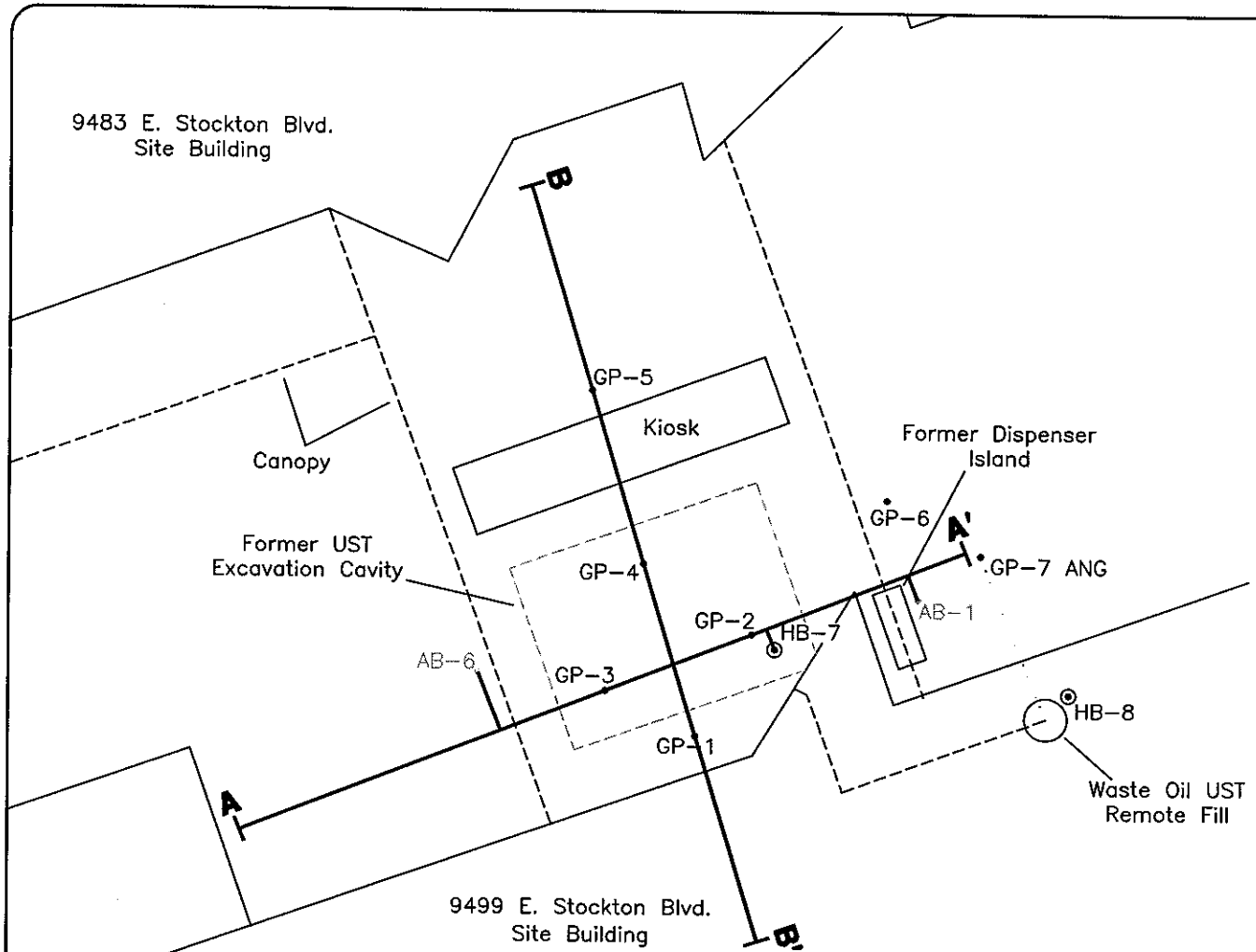
DRAWN BY:	J. Curry
DATE:	06/03/05
REVISIONS	

SITE PLAN MAP

Calvary Christian Center
9483 & 9499 E. Stockton Boulevard
Elk Grove, California

FIGURE
2

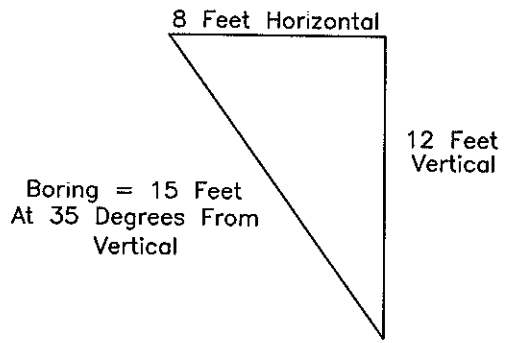
PROJECT NUMBER:
CCH01.001

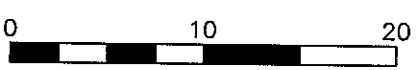


LEGEND

- Hollow Stem Auger Boring Location
- Direct Push Soil Boring Location
- Hand Auger Boring Location

Angle Boring Profile





APEX ENVIROTECH, INC.

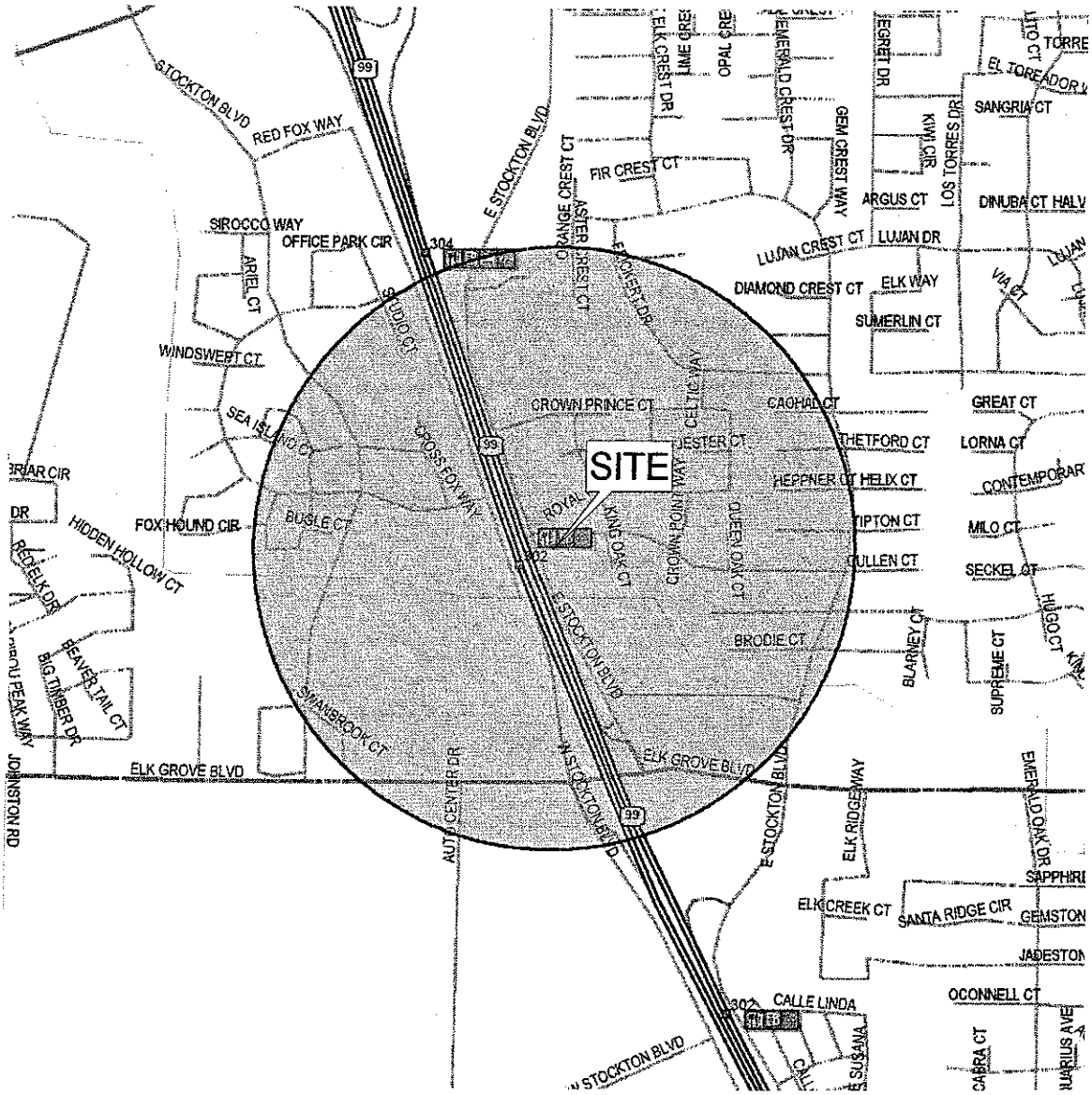
DRAWN BY:	J. Curry
DATE:	06/03/05
REVISIONS	

SOIL BORING LOCATION MAP

Calvary Christian Center
9483 & 9499 E. Stockton Boulevard
Elk Grove, California

FIGURE
3

PROJECT NUMBER:
CCH01.001

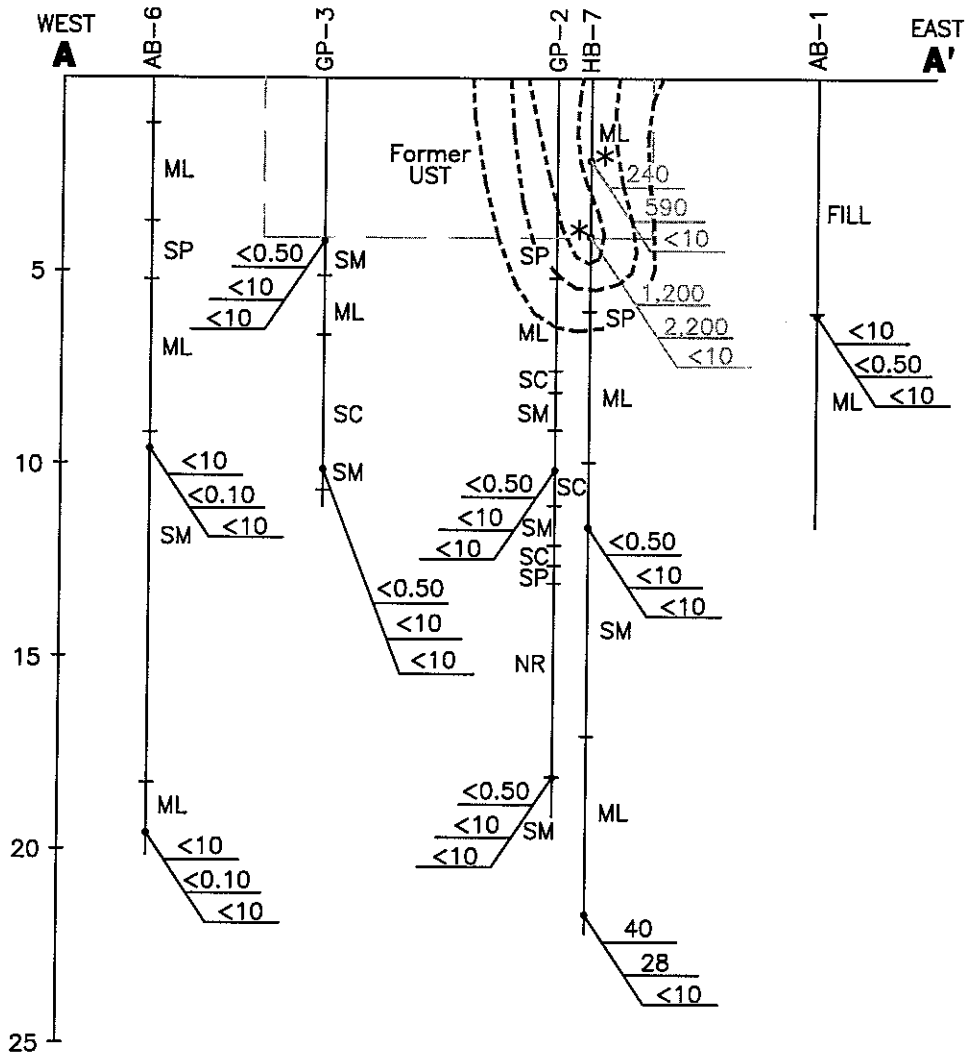


0 1,200 2,400

Approximate Scale
1 inch = 1,200 feet

N

APEX ENVIROTECH, INC.	DRAWN BY: J. Curry DATE: 06/03/05 REVISIONS	**SENSITIVE RECEPTOR SURVEY (2,000 FEET)** Calvary Christian Center 9483 & 9499 E. Stockton Boulevard Elk Grove, California	FIGURE **4** PROJECT NUMBER: CCH01.001



LEGEND

- • Soil Sample Location
- * Greyed Concentrations Represent Soil No Longer In/Situ
- < Below Laboratory Detection Limit

1,200 mg/kg TPHg
2,200 mg/kg TPHd
<10 mg/kg TPHmo

0 5 10
Approximate Scale
1 inch = 5 feet

APEX ENVIROTECH, INC

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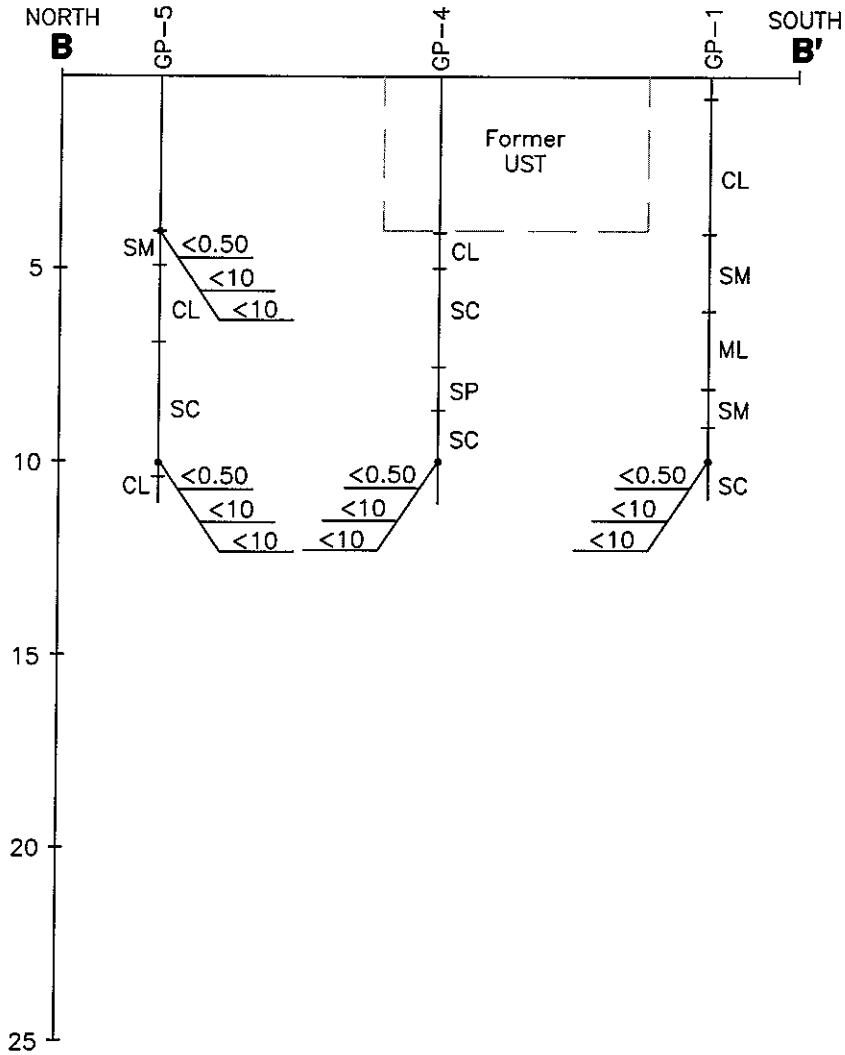
GEOLOGIC CROSS-SECTION A-A'

Calvary Christian Center
9483 & 9499 E. Stockton Boulevard
Elk Grove, California

FIGURE
5

PROJECT NUMBER:
CCH01.001



LEGEND

- • Soil Sample Location
- < Below Laboratory Detection Limits

0 5 10

Approximate Scale
1 inch = 5 feet

APEX ENVIROTECH, INC

DRAWN BY:	J. Curry
DATE:	06/03/05
REVISIONS	

GEOLOGIC CROSS-SECTION B-B'

Calvary Christian Center
9483 & 9499 E Stockton Boulevard
Elk Grove, California

FIGURE
6

PROJECT NUMBER:
CCH01.001

TABLE

TABLE 1
HISTORICAL SOIL ANALYTICAL DATA
Calvary Christian Center
9483 9499 East Stockton Boulevard,
Elk Grove, California

Sample ID	Sample Depth (ft)	Sample Date	TPH as			Benzene	Toluene	Ethyl benzene	Total Xylenes	MTBE	VOC	CAM 5				
			Gasoline (mg/kg)	Diesel (mg/kg)	Motor Oil (mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Cd (mg/kg)	Cr (mg/kg)	Pb (mg/kg)	Ni (mg/kg)	Zn (mg/kg)
Hand Auger (GRIBI)																
HB-1-1.0	1.0	03/11/03	<0.10	<10	<10	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<2.0	57	6.0	35	39
HB-1-3.0	3.0	03/11/03	<0.10	<10	<10	---	---	---	---	---	---	---	---	---	---	---
HB2-4.5	4.5	03/11/03	<0.10	<10	<10	---	---	---	---	---	---	<2.0	55	6.7	29	96
HB-3-4.0	4.0	03/11/03	<0.10	<10	<10	---	---	---	---	---	---	<2.0	30	3.0	18	22
HB-4-3.0	3.0	03/11/03	<0.10	<10	<10	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	---	---	---	---	---
HB-5-1.5	1.5	03/11/03	<0.10	**51**	**120**	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	---	---	---	---	---
HB-7-2.0	2.0	03/11/03	**240**	**590**	<10	<0.002	<0.002	<0.002	**0.182**	<0.004	**52.24**	---	---	---	---	---
HB-7-4.0	4.0	03/11/03	**1,200**	**2,200**	<10	<0.002	**0.880**	**9.9**	**151**	<0.004	**265.99**	<2.0	**35**	**9.0**	**25**	**25**
HB-7-11.5**	11.5	03/11/03	<0.50	<10	<10	<0.002	<0.002	<0.002	**0.0052**	<0.004	**0.0068**	<2.0	**56**	**5.7**	**52**	**58**
HB-7-21.5**	21.5	03/11/03	**40**	**28**	<10	<0.002	<0.002	<0.002	**1.07**	<0.004	**9.7**	<2.0	**69**	**7.8**	**42**	**52**
HB-8-2.0	2.0	03/11/03	---	**1,300**	**2,000**	---	---	---	---	---	---	---	---	---	---	---
HB-9-1.5	1.5	03/11/03	<0.10	<10	<10	<0.002	<0.002	<0.002	<0.002	**0.081**	<0.002	<2.0	**40**	**5.5**	**31**	**40**
HB-10-1.0	1.0	03/11/03	<0.10	<10	<10	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<2.0	**11**	**3.5**	**17**	**17**
HB-11-2.5	2.5	03/11/03	<0.10	---	---	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<2.0	**47**	**8.1**	**21**	**31**
Hollow Stem Auger (GRIBI)																
AB-1-6.0	6.0	03/11/03	<10	<0.50	<10	<0.005	<0.005	<0.005	<0.010	<0.020	---	---	---	---	---	---
AB-2-4.0	4.0	03/11/03	<10	<0.10	<10	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	---	---	---	---	---
AB-3-1.0	1.0	03/11/03	<10	---	<10	---	---	---	---	---	---	---	---	---	---	---
AB-3-5.5	5.5	03/11/03	<10	---	<10	---	---	---	---	---	---	---	---	---	---	---
AB-4-4.0	4.0	03/11/03	<10	---	<10	---	---	---	---	---	---	---	---	---	---	---
AB-4-8.5	8.5	03/11/03	**120**	<0.10	**46**	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	<2.0	**30**	**3.4**	**21**	**34**
AB-4-14.5	14.5	03/11/03	<10	---	<10	---	---	---	---	---	---	---	---	---	---	---
AB-5-9.5	9.5	03/11/03	<10	---	<10	---	---	---	---	---	---	---	---	---	---	---
AB-6-9.5	9.5	03/11/03	<10	<0.10	<10	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	---	---	---	---	---
AB-6-19.5	19.5	03/11/03	<10	<0.10	<10	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	---	---	---	---	---
AB-7-4.5	4.5	03/11/03	---	<0.10	---	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	---	---	---	---	---
AB-8-4.5	4.5	03/11/03	<10	<0.50	<10	<0.005	<0.005	<0.005	<0.010	<0.020	---	---	---	---	---	---
AB-9-4.5	4.5	03/11/03	<10	<0.10	<10	<0.002	<0.002	<0.002	<0.002	<0.004	<0.002	---	---	---	---	---

TABLE 1
HISTORICAL SOIL ANALYTICAL DATA
Calvary Christian Center
9483 9499 East Stockton Boulevard,
Elk Grove, California

Sample ID	Sample Depth (ft)	Sample Date	TPH as			Benzene	Toluene	Ethyl benzene	Total Xylenes	MTBE	VOC	CAM 5				
			Gasoline (mg/kg)	Diesel (mg/kg)	Motor Oil (mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	Cd (mg/kg)	Cr (mg/kg)	Pb (mg/kg)	Ni (mg/kg)	Zn (mg/kg)
Geoprobes (APEX)																
GP-1-10	10	05/26/05	<0.50	<10	<10	<0.0050	<0.0050	<0.0050	<0.015	---	---	---	---	---	---	---
GP-2-10	10	05/26/05	<0.50	<10	<10	<0.0050	<0.0050	<0.0050	<0.015	---	---	---	---	---	---	---
GP-2-18.5	18.5	05/26/05	<0.50	<10	<10	<0.0050	<0.0050	<0.0050	<0.015	---	---	---	---	---	---	---
GP-3-4	4	05/26/05	<0.50	<10	<10	<0.0050	<0.0050	<0.0050	<0.015	---	---	---	---	---	---	---
GP-3-10	10	05/26/05	<0.50	<10	<10	<0.0050	<0.0050	<0.0050	<0.015	---	---	---	---	---	---	---
GP-4-10	10	05/26/05	<0.50	<10	<10	<0.0050	<0.0050	<0.0050	<0.015	---	---	---	---	---	---	---
GP-5-4	4	05/27/05	<0.50	<10	<10	<0.0050	<0.0050	<0.0050	<0.015	---	---	---	---	---	---	---
GP-5-10	10	05/27/05	<0.50	<10	<10	<0.0050	<0.0050	<0.0050	<0.015	---	---	---	---	---	---	---
GP-6-4	4	05/27/05	<0.50	<10	<10	<0.0050	<0.0050	<0.0050	<0.015	---	---	---	---	---	---	---
GP-6-10	10	05/27/05	<0.50	<10	<10	<0.0050	<0.0050	<0.0050	<0.015	---	---	---	---	---	---	---
GP-7Ang -11.5	11.5	05/27/05	---	---	---	---	---	---	<0.015	---	<2.0	<2.0	54	3.4	29	42
Additional analytes																
GP-7Ang-11.5 - was analyzed for PCBs, PNAs, VOCs and SVOCs, all associated consituents were below laboratory detection limits																

NOTES:

TPH - Total Petroleum Hydrocarbon
MTBE - Methyl Tertiary Butyl Ether
Cd - Cadmium
Cr - Chromium
Pb - Lead
Ni - Nickel
Zn - Zinc
VOC -Volatile Organic Compounds
< Below Laboratory Detection Limit
--- -Not analyzed
mg/kg - miligrams per kilograms
* - Hollow stem auger was used to complete boring

APPENDIX A

SCEMD LETTER DATED
JULY 28, 2004

COUNTY OF SACRAMENTO
Environmental Management Department
Mel Knight, Director

Richard Sanchez, Chief
Environmental Health
Dennis C. Green, Chief
Hazardous Materials
Cecilia Jensen, Chief
Water Protection

July 28, 2004

Mr. Thaxter Arterberry
Calvary Christian Center
1665 Del Paso Boulevard
PO Box 15010
Sacramento, California 95851-0010

Mr. James Keil & Ms. Bonnie Keil
2329 Fulton Avenue
Sacramento, California 95825

Dear Mr. Arterberry, Mr. Keil and Ms. Keil:

SUBJECT: WORKPLAN REVIEW AND COMMENT
LOCAL OVERSIGHT PROGRAM NUMBER G029
FORMER ELK GROVE FORD FACILITY
9483/9499 STOCKTON BOULEVARD
ELK GROVE, CALIFORNIA

I have completed my review of the Workplan submitted on your behalf by Gribbi Associates. In addition, I have reviewed the Report of the Phase I & II Site Assessment conducted for the property dated March 24, 2003. Having completed these reviews, I offer the following comments:

WASTE OIL REMOTE FILL PIPE

1. Sampling and analysis that was conducted during the removal and over excavation of this area was incomplete. In addition to the analysis that was conducted, Sacramento County requires that analyses for VOC's, Semi VOC's, PCB's, PNA's, oil and grease and Cadmium, Chromium, Lead, Nickel and Zinc are included.
2. Vertical as well as lateral definition of contamination that was found in the vicinity of this fill pipe is required for closure of the site. I would suggest that an angle boring located on the exterior of the building be considered.

OIL WATER SEPARATOR

The site assessment document indicates that some contamination was found in the vicinity of this structure. There is, however, no indication as to what became of it, or where it is located on the site. Also, no proposal for further investigation is included. It is highly recommended that the separator be removed, and it is required that the lateral and vertical extent of contamination previously found be defined.

WATER SUPPLY WELL

The proximity of this well to potential groundwater contamination is an issue of concern. As part of this investigation, it is important that groundwater from this well be tested and that information about its construction be obtained.

MTBE

MTBE was found in samples taken from an area adjacent to the oil water separator, boring AB-1 and boring HB-9. Central Valley Regional Water Quality Control Board policy requires the collection of at least one groundwater sample when soil is found to be contaminated with MTBE. I would recommend that investigative work in these three areas be conducted first and that it include the installation of temporary wells. By placing the water sample analysis on a short turn around time, a decision then can be made whether to complete the holes as monitoring wells or abandon them based upon the groundwater results. It may also be possible to relocate some of the borings proposed for the former UST area to cover these additional borings.

SITE CONCEPTUAL MODEL

The State Water Resources Control Board (SWRCB) has requested that Lead Implementing Agencies (LIAs) direct responsible parties (RPs) to prepare Site Conceptual Models (SCM). The purpose of the SCM is to save time and money by summarizing important site issues, and by providing a guide for future assessment and remediation. The creation of an SCM does not require the collection of additional information. However, after compiling existing information into the SCM, it should be readily apparent if, and what, future actions are needed. This is especially important when there is a change in the personnel providing regulatory oversight, State Funding or environmental consulting. In addition, the SCM expedites the review of work plans, cost pre-approvals, reimbursement requests, no further action requests, and appeals (if necessary).

The SCM is comprised primarily of figures and tables which are updated whenever additional information is acquired. I have attached a figure from an initial SCM (a site at which the tanks have been removed and the only data available are the initial removal samples) and two figures from an SCM for a site at which more is known. The minimum information that should be compiled into the SCM includes:

- Local and regional plan view maps showing location of sources, extent of contamination (i.e., an interpretive drawing—not a plot of laboratory results), direction and rate of groundwater flow, and locations of receptors. If the site has known groundwater contamination or MTBE-contaminated soil, a 2000-foot radius production well survey (including field verification) **must** be conducted.

- Geologic cross-section maps showing subsurface geologic features, man-made conduits, and an interpretive drawing of the extent of contamination.

- Plots of chemical concentrations vs. time (e.g., if groundwater monitoring is being conducted, plots should be shown for each monitoring well which has had detectable levels of contaminants).

- Exposure evaluation flowchart.

- Plots of chemical concentrations vs. distance from the source.

- Summary tables of chemical concentrations in different media.

- Boring and well logs (including construction/screening).

State Fund personnel have indicated that the costs associated with preparing the SCM are reimbursable. The cost associated with updating the SCM each-time information is acquired should be included in the cost of reporting that new information. You should submit your consultant's cost-estimate to the Fund for pre-approval.

I am requesting that you submit an addendum to the workplan already submitted that addresses all of the above cited items by no later than September 10, 2004. For future reference, a representative from this Department must be on the site during any over excavation activities. Finally, please submit an SCM for the referenced site as part of the report submitted for this next phase of investigation. Sacramento County EMD appreciates the opportunity to assist you in this project. Please do not hesitate to contact me at (916) 875-8553 if you have any questions or concerns.

If you or your consultant would like to discuss this letter further, please feel free to contact me prior to submittal of the Workplan addendum. I can be reached at (916) 875-8553.

Sincerely,

Richard J. Leibold
Hazardous Materials Specialist
Site Assessment and Mitigation Program

RJL:dp

c: Cori Condon, CVRWQCB
James Gribbi, Gribbi Associates

Attachments

W:\Data\LEIBOLD\ELK GROVE FORD 9483 9499 E STOCKTON BLVD wrkpln ltr 704.doc

APPENDIX B

APEX STANDARD OPERATING PROCEDURES

APEX ENVIROTECH, INC.
STANDARD OPERATING PROCEDURES
Soil Borings

SOP-1
SOIL BORING SAMPLING

During drilling, soil samples for chemical analysis are collected in thin-walled brass tubes, of varying diameters and lengths (e.g., 4 or 6 inches long by 2 inches outside diameter). Three or four of the selected tubes, plus a spacer tube, are set in an 18-inch long split-barrel sampler of the appropriate inside-diameter.

Where possible, the split-barrel sampler is driven its entire length either hydraulically or using a 140-pound drop hammer. The sampler is extracted from the borehole and the brass tubes, containing the soil samples, are removed. Upon removal from the sampler, the selected brass tubes are either immediately trimmed and capped with aluminum foil or "Teflon" sheets and plastic caps or the samples are extruded from the tubes and sealed within other appropriate, cleaned sample containers. The samples are then hermetically sealed, labeled, and refrigerated for delivery, under strict chain-of-custody, to the analytical laboratory. These procedures minimize the potential for cross-contamination and volatilization of volatile organic compounds (VOC) prior to chemical analysis.

One soil sample collected at each sampling interval is analyzed in the field using either a portable photoionization detector (PID), flame ionization detector, organic vapor analyzer, catalytic gas detector, or an explosimeter. The purpose of this field analysis is to qualitatively determine the presence or absence of hydrocarbons, and the samples to be analyzed at the laboratory. The soil sample is sealed in either a brass tube, glass jar, or plastic bag to allow for some volatilization of VOC. The PID is then used to measure the concentrations of hydrocarbons within the containers's headspace. The data is recorded on both field notes and the boring logs at the depth corresponding to the sampling point.

Other soil samples are collected to document the soil and/or stratigraphic profile beneath the project site, and estimate the relative permeability of the subsurface materials. All drilling and sampling equipment are either steam cleaned or washed in solution and doubly rinsed in deionized water prior to use at each site and between boreholes to minimize the potential for cross-contamination.

In the event the soil samples cannot be submitted to the analytical laboratory on the same day they are collected (e.g., due to weekends or holidays), the samples are temporarily stored until the first opportunity for submittal either on ice in a cooler, such as when in the field, or in a refrigerator at Apex's office.

SOP-3
SOIL CLASSIFICATION

Soil samples are classified according to the Unified Soil Classification System. Representative portions of the samples may be submitted, under strict chain-of-custody, to an analytical laboratory for further examination and verification of the in-field classification and analysis of soil mechanical and/or petrophysical properties. The soil types are indicated on logs of either excavations or borings together with depths corresponding to the sampling points and other pertinent information.

SOP-4
SAMPLE IDENTIFICATION AND CHAIN-OF-CUSTODY PROCEDURES

Sample identification and chain-of-custody procedures ensure sample integrity as well as document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis is labeled to identify the job number, date, time of sample collection, a sample number unique to the sample, any in-field measurements made, sampling methodology, name(s) of on-site personnel, and any other pertinent field observations also recorded on the field excavation or boring log.

Chain-of-custody forms are used to record possession of the sample from time of collection to arrival at the laboratory. During shipment, the person with custody of the samples will relinquish them to the next person by signing the chain-of-custody form(s) and noting the date and time. The sample-control officer at the laboratory will verify sample integrity, correct preservation, confirm collection in the proper container(s), and ensure adequate volume for analysis.

If these conditions are met, the samples will be assigned unique laboratory log numbers for identification throughout analysis and reporting. The log numbers will be recorded on the chain-of-custody forms and in the legally-required log book maintained in the laboratory. The sample description, date received, client's name, and any other relevant information will also be recorded.

SOP-5
LABORATORY ANALYTICAL QUALITY ASSURANCE AND CONTROL

In addition to routine instrument calibration, replicates, spikes, blanks, spiked blanks, and certified reference materials are routinely analyzed at method-specific frequencies to monitor precision and bias. Additional components of the laboratory Quality Assurance/Quality Control program include:

1. Participation in state and federal laboratory accreditation/certification programs;
2. Participation in both U.S. EPA Performance Evaluation studies (WS and WP studies) and inter-laboratory performance evaluation programs;
3. Standard operating procedures describing routine and periodic instrument maintenance;
4. "Out-of-Control"/Corrective Action documentation procedures; and,
5. Multi-level review of raw data and client reports.

APPENDIX C

BORING LOGS

LOG OF BORING
GRIBI ASSOCIATES

BORING NUMBER : **HB-7**

BORING LOCATION:
IN FORMER UST EXCAVATION CAVITY

BORING TYPE: INVESTIGATIVE BORING

PROJECT NAME:
ELK GROVE FORD PH I & II ESA

PROJECT NUMBER:

LOGGED BY: JIM GRIBI

START DATE: 03/11/03

COMPLETION DATE: 03/11/03

DRILLING CONTRACTOR: WESTEX

DRILLING METHOD: HAND AUGER TO 5 FT
HOLLOW STEM AUGER TO 22 FT

BOREHOLE DIAMETER: 8 INCHES

COMPLETION METHOD: GROUTED

BORING TOTAL DEPTH: 22.0 FEET

GROUNDWATER DEPTH: NONE

DEPTH SCALE (FEET)	SAMPLE NO	SAMPLE DEPTH	INTERVAL	BLOW COUNTS & WATER LEVEL (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL	PIEZOMETER/ WELL INSTALLATION
						0 - 1.0 ft Asphalt & base rock	
	HB-7-2.0	2.0 FT			ML	1.0 - 4.0 ft Reddish brown clayey SILT soft to firm moist stron hydrocarbon odors, no staining	
	HB-7-4.0	4.0 FT			SW	4.0 - 6.0 ft Reddish brown SANDSTONE, moderately well cemented fine to medium grained moist stron hydrocarbon odors no staining	
5					ML	6.0 - 10.0 ft Reddish brown sandy SILT, firm to friable, moist strong hydrocarbon odors no staining	
10	HB-7-11.5	11.5 FT			SW	10.0 - 17.0 ft Reddish brown silty SAND loose to friable fine to medium grained, moist strong hydrocarbon odors no staining	
15							
20					ML	17.0 - 22.0 ft Reddish brown clayey SILT firm moist strong hydrocarbon odors no staining	
	HB-7-21.5	21.5 FT				Total Depth 22.0 Ft. NO GROUNDWATER ENCOUNTERED	
25							

LOG OF BORING
GRIBI ASSOCIATES

SHEET 1 OF 1

BORING NUMBER : **AB-1**

BORING LOCATION:
ADJACENT TO FORMER UST DISPENSERS

BORING TYPE: INVESTIGATIVE BORING

PROJECT NAME:
ELK GROVE FORD PH I & II ESA

PROJECT NUMBER:

LOGGED BY: JIM GRIBI

START DATE: 03/11/03

COMPLETION DATE: 03/11/03

DRILLING CONTRACTOR: WESTEX

DRILLING METHOD: HOLLOW STEM AUGER

BOREHOLE DIAMETER: 8 INCHES

COMPLETION METHOD: GROUTED

BORING TOTAL DEPTH: 11 5 FEET

GROUNDWATER DEPTH: NONE

DEPTH SCALE (FEET)	SAMPLE NO	SAMPLE DEPTH	INTERVAL	BLOW COUNTS & WATER LEVEL (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL	PIEZOMETER\ WELL INSTALLATION
					SP	0 - 0 6 ft Asphalt & base rock	
						0 6 - 6 0 ft Grey gravel fill materials angular loose dry no hydrocarbon odors or staining	
5	AB-1-6 0	6 0 FT		11 29 37			
					ML	6 0 - 11 0 ft Light reddish brown to grey brown sandy SILT firm, moist no hydrocarbon odors or staining.	
10	AB-1-11 0	11 0 FT		5 8 15			
						Total Depth 11 5 Ft. NO GROUNDWATER ENCOUNTERED	
15							
20							
25							

LOG OF BORING
GRIBI ASSOCIATES

BORING NUMBER : **AB-2**

BORING LOCATION:
EAST OF SOUTH SITE BUILDING

BORING TYPE: INVESTIGATIVE BORING

PROJECT NAME:
ELK GROVE FORD PH I & II ESA

PROJECT NUMBER:

LOGGED BY: JIM GRIBI

START DATE: 03/11/03

COMPLETION DATE: 03/11/03

DRILLING CONTRACTOR: WESTEX

DRILLING METHOD: HOLLOW STEM AUGER

BOREHOLE DIAMETER: 8 INCHES

COMPLETION METHOD: GROUTED

BORING TOTAL DEPTH: 10.0 FEET

GROUNDWATER DEPTH: NONE

DEPTH SCALE (FEET)	SAMPLE NO	SAMPLE DEPTH	INTERVAL	BLOW COUNTS & WATER LEVEL (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL	PIEZOMETER/ WELL INSTALLATION
						0 - 1.0 ft. Asphalt & base rock.	
					CL	1.0 - 3.0 ft. Grey brown silty CLAY, firm slightly sandy moist to wet. no hydrocarbon odors or staining	
	AB-2-4.0	4.0 FT		11 15 17	ML	3.0 - 6.5 ft. Light reddish brown sandy SILT slightly clayey firm to friable moist no hydrocarbon odors or staining	
5					SW	6.5 - 10.0 ft. Reddish brown silty SAND, loose to friable fine to very fine grained moist no hydrocarbon odors or staining	
	AB-2-9.5	9.5 FT		4 7 11			
10						Total Depth 10.0 Ft. NO GROUNDWATER ENCOUNTERED	
15							
20							
25							

LOG OF BORING
GRIBI ASSOCIATES

BORING NUMBER : **AB-3**

BORING LOCATION:
SOUTH BLDG, FORMER WASTE OIL AREA

BORING TYPE: INVESTIGATIVE BORING

PROJECT NAME:
ELK GROVE FORD PH I & II ESA

PROJECT NUMBER:

LOGGED BY: JIM GRIBI

START DATE: 03/11/03

COMPLETION DATE: 03/11/03

DRILLING CONTRACTOR: WESTEX

DRILLING METHOD: HOLLOW STEM AUGER

BOREHOLE DIAMETER: 8 INCHES

COMPLETION METHOD: GROUTED

BORING TOTAL DEPTH: 10 0 FEET

GROUNDWATER DEPTH: NONE

DEPTH SCALE (FEET)	SAMPLE NO	SAMPLE DEPTH	INTERVAL	BLOW COUNTS & WATER LEVEL (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL	PIEZOMETER/ WELL INSTALLATION
	AB-3-1 0	1 0 FT			ML	0 - 0 5 ft Asphalt & base rock	
						0 5 - 7 0 ft Reddish brown sandy SILT firm to friable moist, no hydrocarbon odors or staining	
5	AB-3-5 5	5 5 FT		14 12 17	SW	7 0 - 9 0 ft Reddish brown silty SAND, loose to friable fine to very fine grained, moist, no hydrocarbon odors or staining	
	AB-3-9 0	9 0 FT		12 17 21	ML	9 0 - 10 0 ft Reddish brown sandy SILT firm moist no hydrocarbon odors or staining	
10						Total Depth 10.0 Ft. NO GROUNDWATER ENCOUNTERED	
15							
20							
25							

LOG OF BORING
GRIBI ASSOCIATES

BORING NUMBER : **AB-4**

BORING LOCATION:
SOUTH OF OIL/WTR SEPARATOR

BORING TYPE: INVESTIGATIVE BORING

PROJECT NAME:
ELK GROVE FORD PH I & II ESA

PROJECT NUMBER:

LOGGED BY: JIM GRIBI

START DATE: 03/11/03

COMPLETION DATE: 03/11/03

DRILLING CONTRACTOR: WESTEX

DRILLING METHOD: HOLLOW STEM AUGER

BOREHOLE DIAMETER: 8 INCHES

COMPLETION METHOD: GROUTED

BORING TOTAL DEPTH: 15 0 FEET

GROUNDWATER DEPTH: NONE

DEPTH SCALE (FEET)	SAMPLE NO	SAMPLE DEPTH	INTERVAL	BLOW COUNTS & WATER LEVEL (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL	PIEZOMETER\ WELL INSTALLATION
						0 - 0 5 ft Asphalt & base rock	
	AB-4-4 0	4 0 FT		3 5 8	CL	0 5 - 7 5 ft Reddish brown silty CLAY, firm slightly sandy moist no hydrocarbon odors or staining	
5							
	AB-4-8 5	8 5 FT		3 7 10	ML	7 5 - 9 0 ft Grey sandy SILT slightly gravelly moist, loose to firm slight hydrocarbon odors	
10					SW	9 0 - 15 0 ft Reddish brown silty SAND, loose to friable fine to medium grained moist no hydrocarbon odors or staining	
	AB-4-14 5	14 5 FT		6 7 17			
15						Total Depth 15.0 Ft. NO GROUNDWATER ENCOUNTERED	
20							
25							

LOG OF BORING
GRIBI ASSOCIATES

BORING NUMBER : **AB-5**

BORING LOCATION:
SOUTHWEST SIDE OF SOUTH SITE BUILDING

BORING TYPE: INVESTIGATIVE BORING

PROJECT NAME:
ELK GROVE FORD PH I & II ESA

PROJECT NUMBER:

LOGGED BY: JIM GRIBI

START DATE: 03/11/03

COMPLETION DATE: 03/11/03

DRILLING CONTRACTOR: WESTEX

DRILLING METHOD: HOLLOW STEM AUGER

BOREHOLE DIAMETER: 8 INCHES

COMPLETION METHOD: GROUTED

BORING TOTAL DEPTH: 10 0 FEET

GROUNDWATER DEPTH: NONE

DEPTH SCALE (FEET)	SAMPLE NO	SAMPLE DEPTH	INTERVAL	BLOW COUNTS & WATER LEVEL (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL	PIEZOMETER\ WELL INSTALLATION
5	AB-5-4 5	4 5 FT		5 3 18	ML	0 - 1 0 ft Asphalt & base rock 1 0 - 5 5 ft Reddish brown sandy SILT firm to friable moist no hydrocarbon odors or staining	
10	AB-5-9 5	9 5 FT		3 6 7	SW	5 5 - 10 0 ft Reddish brown silty SAND, loose to friable fine to medium grained moist no hydrocarbon odors or staining Total Depth 10.0 Ft. NO GROUNDWATER ENCOUNTERED	
15							
20							
25							

BORING NUMBER : **AB-6**

BORING LOCATION:
WEST OF FORMER UST'S

BORING TYPE: INVESTIGATIVE BORING

PROJECT NAME:
ELK GROVE FORD PH I & II ESA

PROJECT NUMBER:

LOG OF BORING
GRIBI ASSOCIATES

LOGGED BY: JIM GRIBI

START DATE: 03/11/03

COMPLETION DATE: 03/11/03

DRILLING CONTRACTOR: WESTEX

DRILLING METHOD: HOLLOW STEM AUGER

BOREHOLE DIAMETER: 8 INCHES

COMPLETION METHOD: GROUTED

BORING TOTAL DEPTH: 20.0 FEET

GROUNDWATER DEPTH: NONE

DEPTH SCALE (FEET)	SAMPLE NO.	SAMPLE DEPTH	INTERVAL	BLOW COUNTS & WATER LEVEL (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL	PIEZOMETER/ WELL INSTALLATION
						0 - 1 0 ft Asphalt & base rock.	
					ML	1 0 - 3 5 ft Reddish brown clayey SILT soft to firm moist no hydrocarbon odors or staining	
5	AB-6-4 0	4 0 FT		50-6"	SW	3 5 - 5 0 ft Reddish brown SANDSTONE, moderately well cemented fine to medium grained moist, no hydrocarbon odors or staining	
					ML	5 0 - 9 0 ft Reddish brown sandy SILT, firm to friable moist no hydrocarbon odors or staining	
10	AB-6-9 5	9 5 FT		4 13 19			
					SW	9 0 - 18 0 ft Reddish brown silty SAND, loose to friable fine to medium grained moist no hydrocarbon odors or staining	
15	AB-6-14 5	14 5 FT		7 13 27			
					ML	18 0 - 20 0 ft Reddish brown sandy SILT, firm moist no hydrocarbon odors or staining	
20	AB-6-19 5	19 5 FT		13 18 28		Total Depth 20.0 Ft. NO GROUNDWATER ENCOUNTERED	
25							

LOG OF BORING
GRIBI ASSOCIATES

BORING NUMBER : **AB-7**

BORING LOCATION:
SOUTH OF PAINT BOOTH

BORING TYPE: INVESTIGATIVE BORING

PROJECT NAME:
ELK GROVE FORD PH I & II ESA

PROJECT NUMBER:

LOGGED BY: JIM GRIBI

START DATE: 03/11/03

COMPLETION DATE: 03/11/03

DRILLING CONTRACTOR: WESTEX

DRILLING METHOD: HOLLOW STEM AUGER

BOREHOLE DIAMETER: 8 INCHES

COMPLETION METHOD: GROUTED

BORING TOTAL DEPTH: 10 0 FEET

GROUNDWATER DEPTH: NONE

DEPTH SCALE (FEET)	SAMPLE NO	SAMPLE DEPTH	INTERVAL	BLOW COUNTS & WATER LEVEL (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL	PIEZOMETER/ WELL INSTALLATION
						0 - 1 0 ft Asphalt & base rock	
				9	ML	1 0 -7 0 ft Reddish brown clayey SILT, locally sandy soft to firm moist no hydrocarbon odors or staining	
5	AB-7-4 5	4 5 FT		12 12			
					SW	7 0 - 10 0 ft Reddish brown silty SAND, loose fine to medium grained moist no hydrocarbon odors or staining	
				5			
10	AB-7-9 5	9 5 FT		6 8		Total Depth 10.0 Ft. NO GROUNDWATER ENCOUNTERED	
15							
20							
25							

LOG OF BORING
GRIBI ASSOCIATES

BORING NUMBER : **AB-8**

BORING LOCATION:
SOUTH OF AB-4

BORING TYPE: INVESTIGATIVE BORING

PROJECT NAME:
ELK GROVE FORD PH I & II ESA

PROJECT NUMBER:

LOGGED BY: JIM GRIBI

START DATE: 03/11/03

COMPLETION DATE: 03/11/03

DRILLING CONTRACTOR: WESTEX

DRILLING METHOD: HOLLOW STEM AUGER

BOREHOLE DIAMETER: 8 INCHES

COMPLETION METHOD: GROUTED

BORING TOTAL DEPTH: 5 0 FEET

GROUNDWATER DEPTH: NONE

DEPTH SCALE (FEET)	SAMPLE NO	SAMPLE DEPTH	INTERVAL	BLOW COUNTS & WATER LEVEL (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL	PIEZOMETER/ WELL INSTALLATION
5	AB-7-4 5	4 5 FT		5 7 7	ML	0 - 1 0 ft Asphalt & base rock 1 0 -3 5 ft Reddish brown clayey SILT, firm moist no hydrocarbon odors or staining 3 5 -5 0 ft Reddish brown clayey SILT dense hard moist no hydrocarbon odors or staining Total Depth 5.0 Ft. NO GROUNDWATER ENCOUNTERED	
10							
15							
20							
25							

LOG OF BORING
GRIBI ASSOCIATES

SHEET 1 OF 1

BORING NUMBER : **AB-9**

BORING LOCATION:
NORTH OF SOUTH BUILDING

BORING TYPE: INVESTIGATIVE BORING

PROJECT NAME:
ELK GROVE FORD PH I & II ESA

PROJECT NUMBER:

LOGGED BY: JIM GRIBI

START DATE: 03/11/03

COMPLETION DATE: 03/11/03

DRILLING CONTRACTOR: WESTEX

DRILLING METHOD: HOLLOW STEM AUGER

BOREHOLE DIAMETER: 8 INCHES

COMPLETION METHOD: GROUTED

BORING TOTAL DEPTH: 10.0 FEET

GROUNDWATER DEPTH: NONE

DEPTH SCALE (FEET)	SAMPLE NO	SAMPLE DEPTH	INTERVAL	BLOW COUNTS & WATER LEVEL (▽ - INITIAL, ▼ - FINAL)	USCS	LOG OF MATERIAL	PIEZOMETER\ WELL INSTALLATION
						0 - 1 0 ft. Asphalt & base rock.	
				11	ML	1 0 -7 0 ft. Reddish brown sandy SILT, locally clayey loose to friable moist no hydrocarbon odors or staining	
5	AB-9-4 5	4 5 FT		8 10			
					SW	7 0 - 10 0 ft Reddish brown silty SAND, slightly clayey. friable fine to very fine grained moist no hydrocarbon odors or staining	
				7			
10	AB-9-9 5	9 5 FT		14 18			
						Total Depth 10.0 Ft. NO GROUNDWATER ENCOUNTERED	
15							
20							
25							

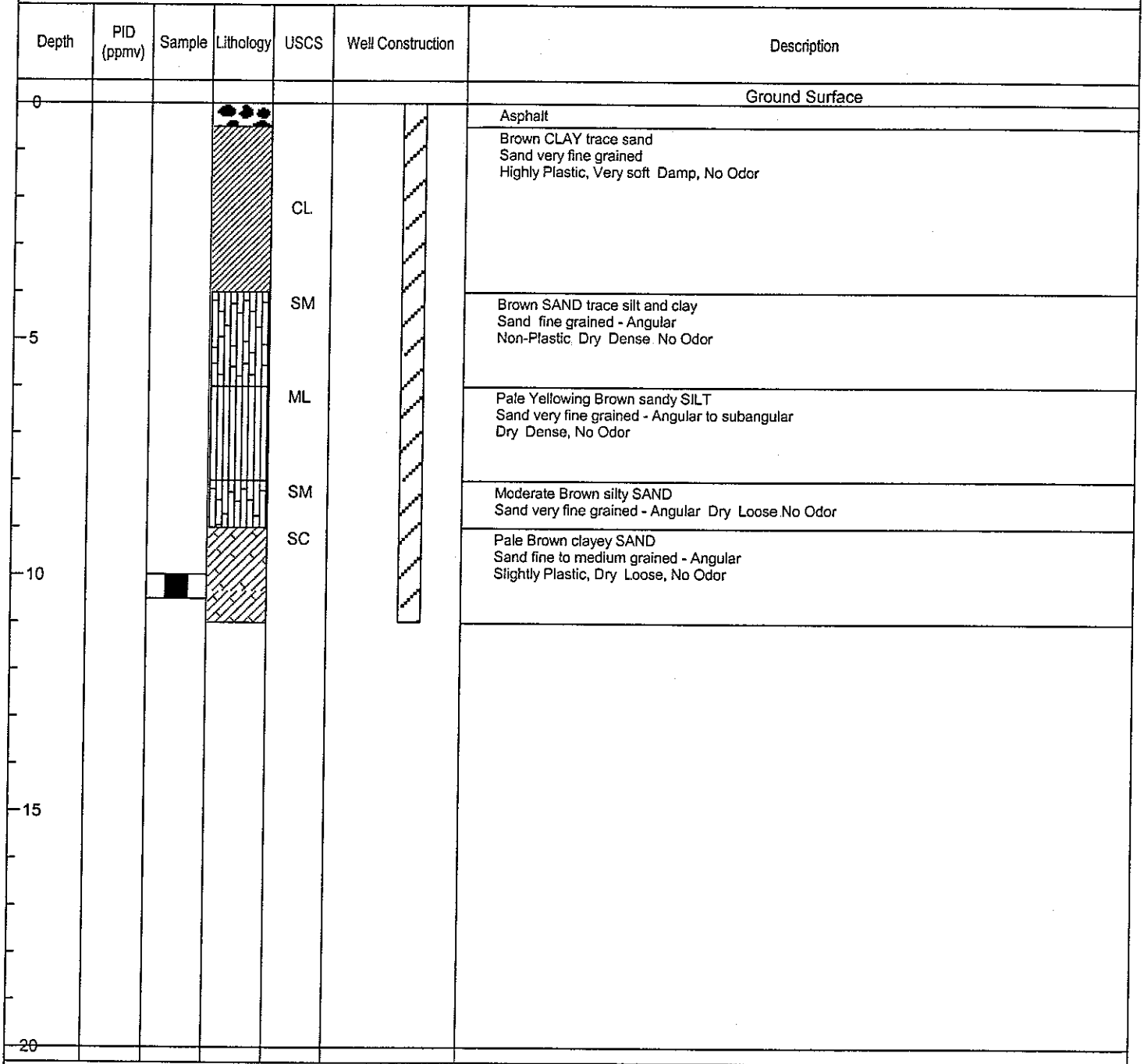
BORING GP-1

TOTAL DEPTH 11-FT BGS

DRILLER Woodward Drilling Co., Inc.

GEOLOGIST R. Westrup

DATE DRILLED May 26, 2005



REVIEWED BY Michael Sgourakis

JOB NUMBER CCH01.001

SITE Calvery Chirstian Center

ADDRESS 9438 E. Stockton Boulevard

CITY Elk Grove

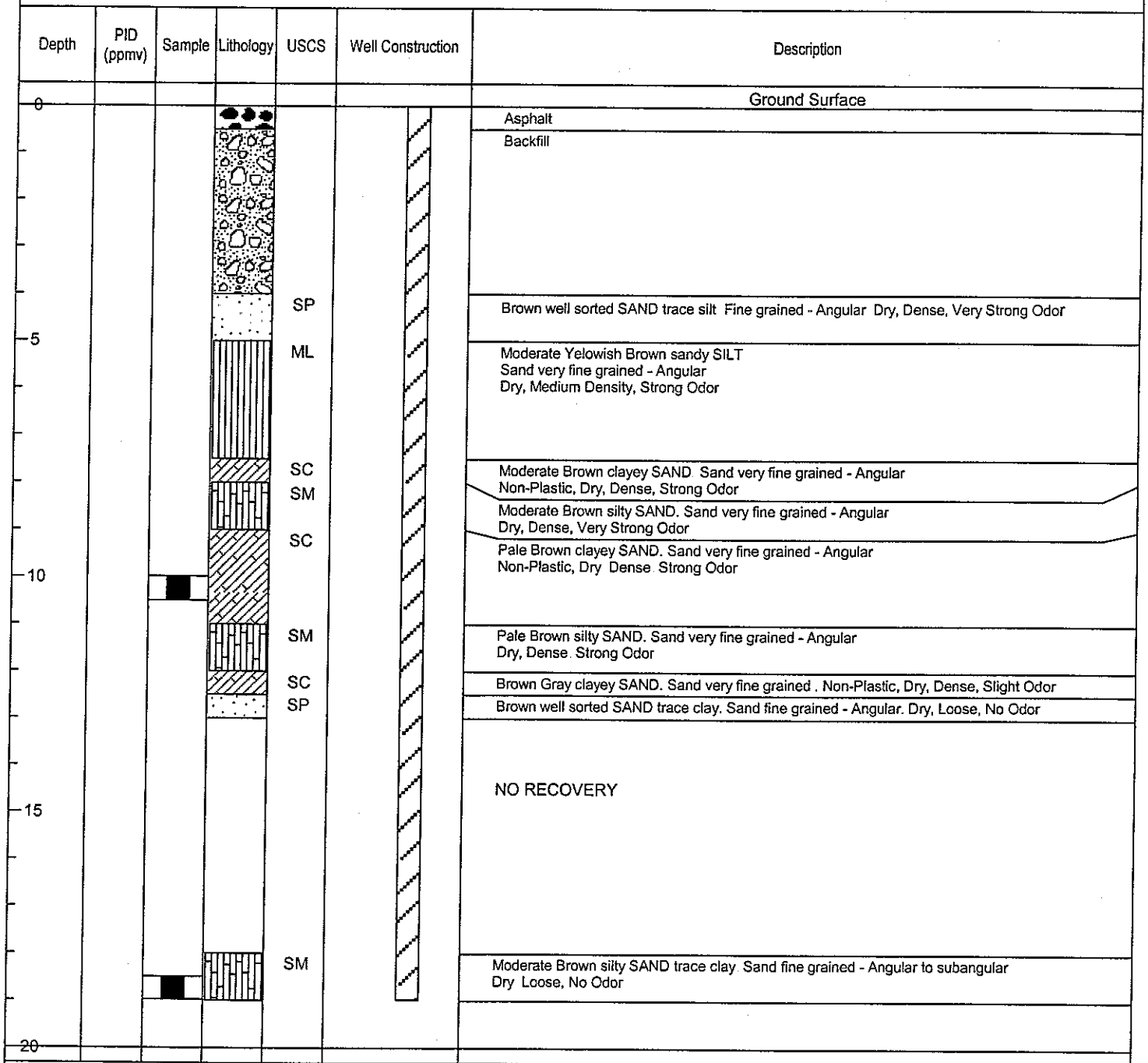
BORING GP-2

TOTAL DEPTH 19-FT BGS

DRILLER Woodward Drilling Co., Inc.

GEOLOGIST R Westrup

DATE DRILLED May 26, 2005



REVIEWED BY Michael Sgourakis

JOB NUMBER CCH01 001

SITE Calvery Chirstian Center

ADDRESS 9438 E. Stockton Boulevard

CITY Elk Grove

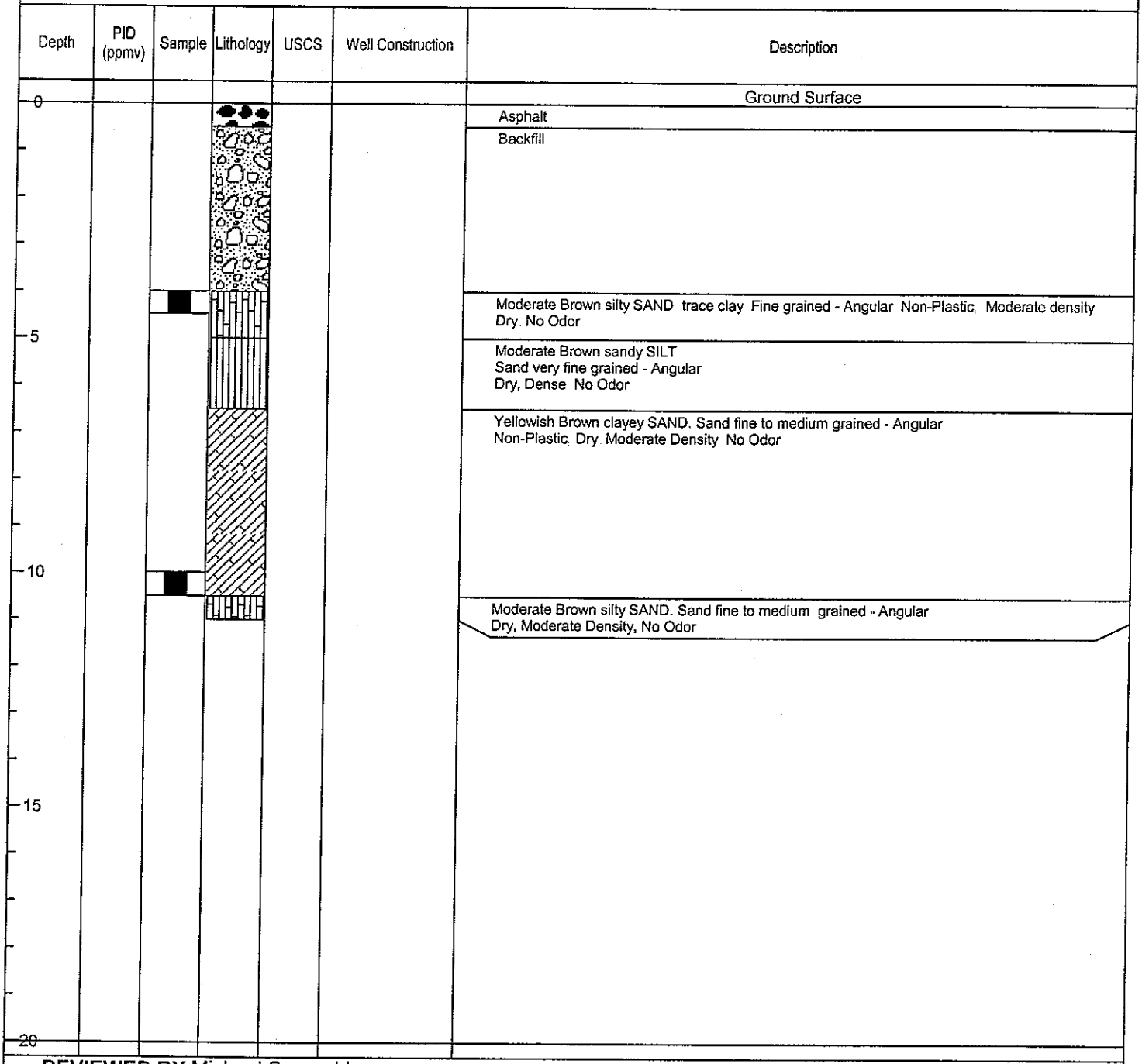
BORING GP-3

TOTAL DEPTH 11-FT BGS

DRILLER Woodward Drilling Co , Inc.

GEOLOGIST R. Westrup

DATE DRILLED May 26, 2005



REVIEWED BY Michael Sgourakis

JOB NUMBER CCH01 001

SITE Calvery Chirstian Center

ADDRESS 9438 E Stockton Boulevard

CITY Elk Grove

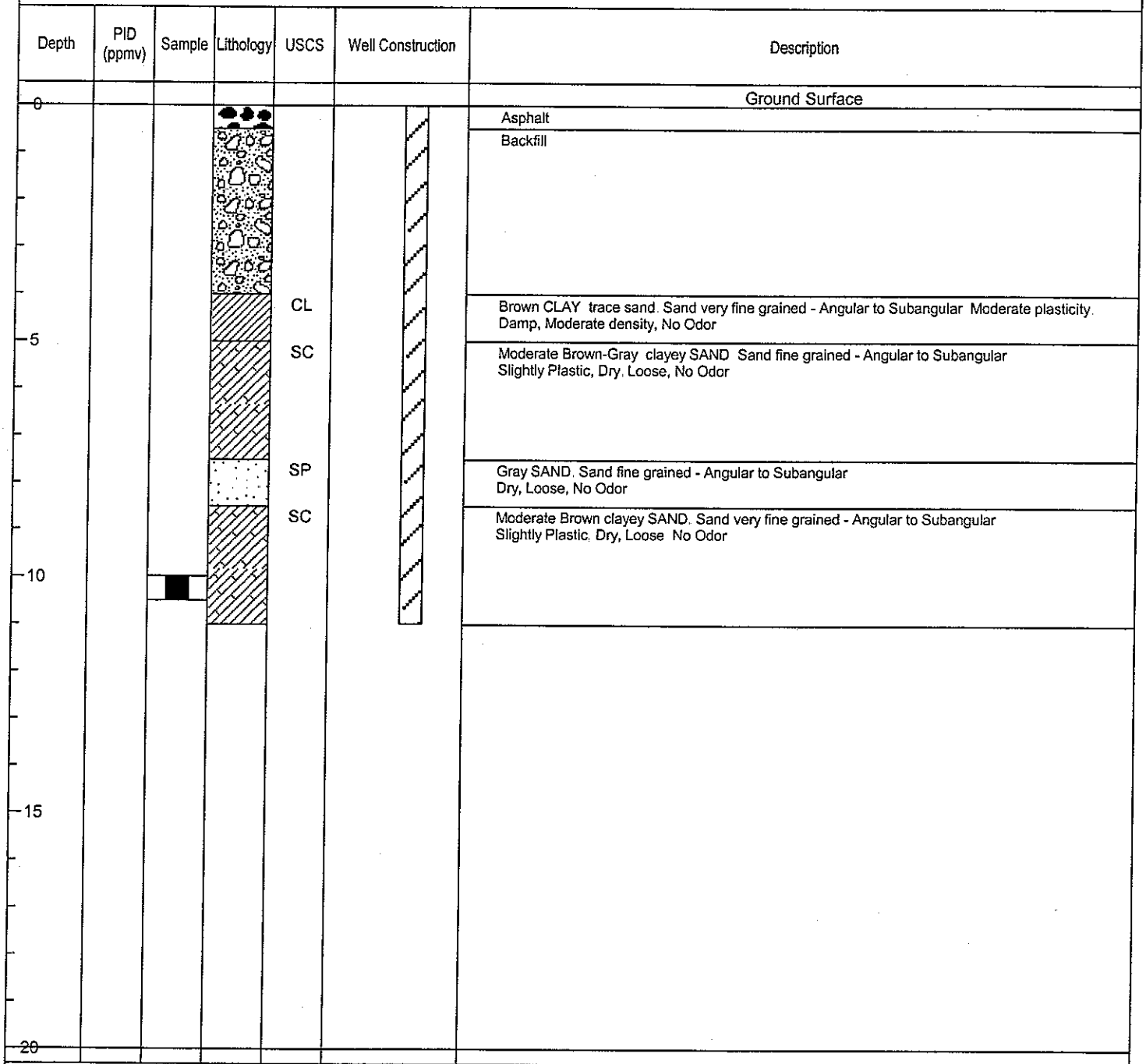
BORING GP-4

TOTAL DEPTH 11-FT BGS

DRILLER Woodward Drilling Co., Inc.

GEOLOGIST R. Westrup

DATE DRILLED May 26, 2005



REVIEWED BY Michael Sgourakis

JOB NUMBER CCH01.001

SITE Calvery Chirstian Center

ADDRESS 9438 E. Stockton Boulevard

CITY Elk Grove

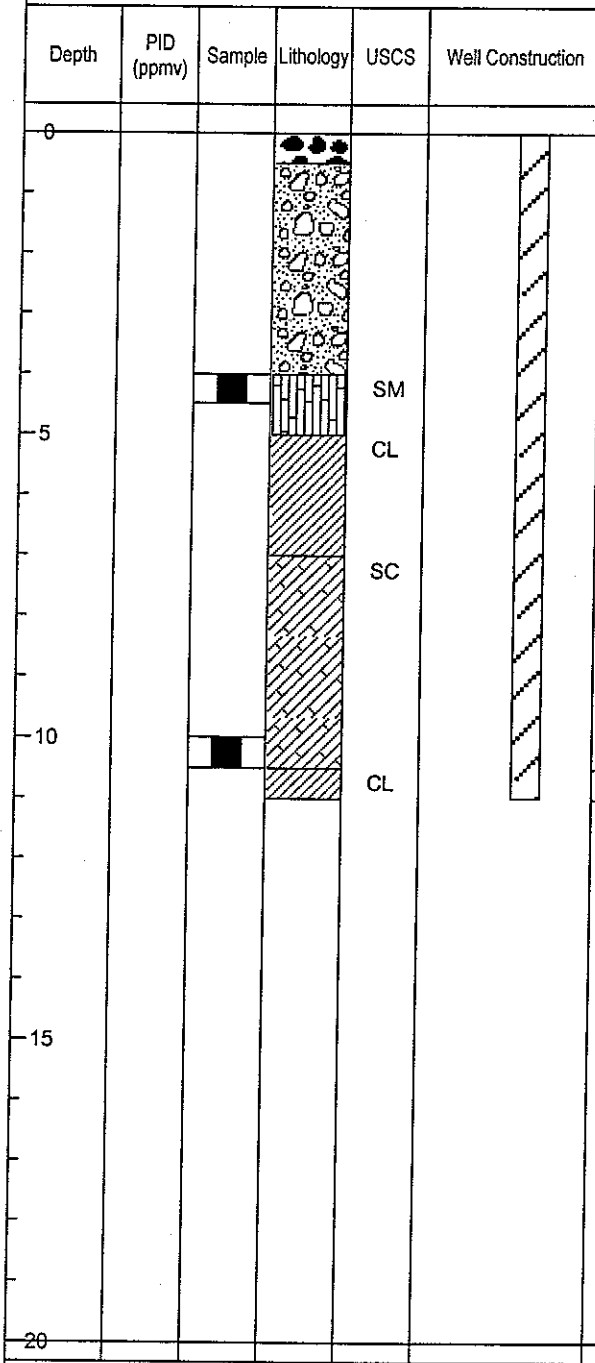
BORING GP-5

TOTAL DEPTH 11-FT BGS

DRILLER Woodward Drilling Co., Inc.

GEOLOGIST R. Westrup

DATE DRILLED May 27, 2005



Description
Ground Surface
Asphalt
Handcleared
Moderate Brown silty SAND Sand fine grained - Angular Moderate density, Dry, No Odor
Pale Yellowish Brown sandy CLAY Sand very fine grained - Angular Slightly Plastic, Dry, Stiff, No Odor
Moderate Brown-Gray clayey SAND. Sand very fine to moderate grained - Angular Slightly Plastic. Dry Moderate density. No Odor
Brown CLAY with sand. Sand very fine grained - Angular. Slightly plastic, Dry, Stiff, No Odor

REVIEWED BY Michael Sgourakis

JOB NUMBER CCH01 001

SITE Calvery Chirstian Center

ADDRESS 9438 E. Stockton Boulevard

CITY Elk Grove

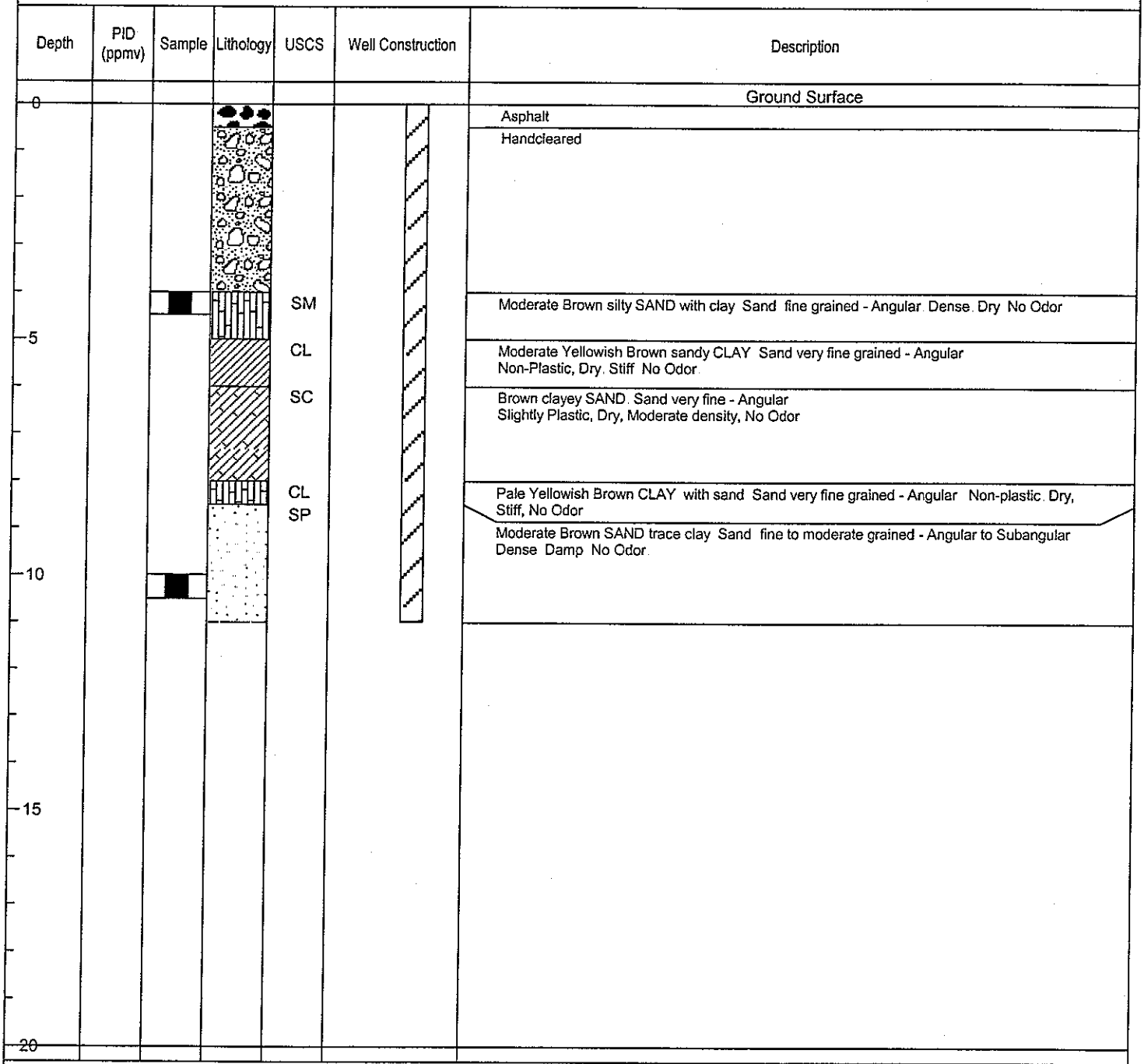
BORING GP-6

TOTAL DEPTH 11-FT BGS

DRILLER Woodward Drilling Co., Inc.

GEOLOGIST R. Westrup

DATE DRILLED May 27, 2005



REVIEWED BY Michael Sgourakis

JOB NUMBER CCH01.001

SITE Calvery Chirstian Center

ADDRESS 9438 E Stockton Boulevard

CITY Elk Grove

APPENDIX D

LABORATORY ANALYTICAL REPORT
CHAIN-OF-CUSTODY FORM

SunStar Laboratories, Inc.
3002 Dow Ave., Ste. 212
Tustin, CA 92780
714-505-4010

Chain of Custody Record

Client: APEX ENVIROTECH INC
Address: 11244 Pyrites Way Gold River CA
Phone: 916-851-0174 Fax: 916-851-0177
Project Manager: Tom Landwehr

Date: 5/27/05 Page: 1 Of 1
Project Name: Calvery Christian Center
Collector: WESTRUP Client Project #: CCC01.001
Batch #: T5C0657 EDF #: T0607033133

Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	TPH motor oil	VOC, SVOC, TOG	5 Cam Metals	PCBs, PNAs	Laboratory ID #	Comments/Preservative	Total # of containers
GP-1-10	5/26/05	8:50	SOIL	↑					X	X	X			X				01	ICE	
GP-4-10		12:53							X	X	X			X				02		
GP-3-4		13:46							X	X	X			X				03		
GP-3-10		14:04							X	X	X			X				04		
GP-2-10		9:50							X	X	X			X				05		
GP-2-18.5		12:0							X	X	X			X				06		
GP-5-4	5/27/05	7:13	SOIL						X	X	X			X				07		
GP-5-10		7:32							X	X	X			X				08		
GP-6-4		8:15							X	X	X			X				09		
GP-6-10		8:25							X	X	X			X				10		
GP-7Ang-11.5		10:26		↓											X	X	X	11	↓	
				← PLASTIC TUBS																

Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	5/27/05	Don Orate	5/27/05 10:48
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time
[signature]	5/28/05 10:00	[signature]	5/28/05 10:00
Relinquished by: (signature)	Date / Time	Received by: (signature)	Date / Time

Total # of containers
Chain of Custody seals Y/N/NA
Seals intact? Y/N/NA
Received good condition/cold (3) 9°C

Turn around time: 3 Day

Notes

Sample disposal Instructions: Disposal @ $2.00 each ___ Return to client ___ Pickup ___

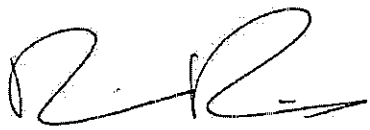
02 June 2005

Tom Landwehr
Apex Envirotech, Inc.
11244 Pyrites Way
Gold River, CA 95670

RE: Calvery Christian Center

Enclosed are the results of analyses for samples received by the laboratory on 05/28/05 10:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dennis Dorning
Project Manager

Apex Envirotech Inc 11244 Pyrites Way Gold River CA, 95670	Project: Calvery Christian Center Project Number: CCC01 001 Project Manager: Tom Landwehr	**Reported:** 06/02/05 16:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
GP-1-10	T500657-01	Soil	05/26/05 08:50	05/28/05 10:00
GP-4-10	T500657-02	Soil	05/26/05 12:53	05/28/05 10:00
GP-3-4	T500657-03	Soil	05/26/05 13:46	05/28/05 10:00
GP-3-10	T500657-04	Soil	05/26/05 14:04	05/28/05 10:00
GP-2-10	T500657-05	Soil	05/26/05 09:50	05/28/05 10:00
GP-2-18 5	T500657-06	Soil	05/26/05 12:00	05/28/05 10:00
GP-5-4	T500657-07	Soil	05/27/05 07:13	05/28/05 10:00
GP-5-10	T500657-08	Soil	05/27/05 07:32	05/28/05 10:00
GP-6-4	T500657-09	Soil	05/27/05 08:15	05/28/05 10:00
GP-6-10	T500657-10	Soil	05/27/05 08:25	05/28/05 10:00
GP-7Ang-11 5	T500657-11	Soil	05/27/05 10:26	05/28/05 10:00

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Dennis Dorning, Project Manager

Apex Envirotech, Inc. 11244 Pyrites Way Gold River CA, 95670	Project: Calvery Christian Center Project Number: CCC01 001 Project Manager: Tom Landwehr	**Reported:** 06/02/05 16:23

GP-1-10
I500657-01 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	ND	500	ug/kg	1	5053115	05/31/05	06/01/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*102 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
C13-C28 (DRO)	ND	10	mg/kg	1	5053116	05/31/05	06/02/05	EPA 8015m	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND	5.0	ug/kg	1	5053115	05/31/05	06/01/05	EPA 8021B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.4 %*	*65-135*		"	"	"	"	

SunStar Laboratories, Inc.

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Dennis Dorning, Project Manager

Apex Envirotech, Inc	Project: Calvery Christian Center	
11244 Pyrites Way	Project Number: CCC01.001	**Reported:**
Gold River CA, 95670	Project Manager: Tom Landwehr	06/02/05 16:23

GP-4-10
T500657-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	ND	500	ug/kg	1	5053115	05/31/05	06/01/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*96.0 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
C13-C28 (DRO)	ND	10	mg/kg	1	5053116	05/31/05	06/02/05	EPA 8015m	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND	5.0	ug/kg	1	5053115	05/31/05	06/01/05	EPA 8021B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*65-135*		"	"	"	"	

SunStar Laboratories, Inc.

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Dennis Dorning, Project Manager

Apex Envirotech Inc.	Project: Calvery Christian Center	
11244 Pyrites Way	Project Number: CCC01 001	**Reported:**
Gold River CA, 95670	Project Manager: Tom Landwehr	06/02/05 16:23

GP-3-4
T500657-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	ND	500	ug/kg	1	5053115	05/31/05	06/01/05	EPA 8015m	
Surrogate 4-Bromofluorobenzene		*98.4 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
C13-C28 (DRO)	ND	10	mg/kg	1	5053116	05/31/05	06/02/05	EPA 8015m	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND	5.0	ug/kg	1	5053115	05/31/05	06/01/05	EPA 8021B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*103 %*	*65-135*		"	"	"	"	

SunStar Laboratories, Inc.

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Dennis Dorning, Project Manager

Apex Envirotech Inc.	Project: Calvery Christian Center	
11244 Pyrites Way	Project Number: CCC01 001	**Reported:**
Gold River CA, 95670	Project Manager: Tom Landwehr	06/02/05 16:23

GP-3-10
I500657-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	ND	500	ug/kg	1	5053115	05/31/05	06/01/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
C13-C28 (DRO)	ND	10	mg/kg	1	5053116	05/31/05	06/02/05	EPA 8015m	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND	5.0	ug/kg	1	5053115	05/31/05	06/01/05	EPA 8021B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*105 %*	*65-135*		"	"	"	"	

SunStar Laboratories, Inc.

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Dennis Dorning, Project Manager

Apex Envirotech, Inc. 11244 Pyrites Way Gold River CA, 95670	Project: Calvery Christian Center Project Number: CCC01 001 Project Manager: Tom Landwehr	**Reported:** 06/02/05 16:23

GP-2-10
T500657-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	ND	500	ug/kg	1	5053115	05/31/05	06/01/05	EPA 8015m	
Surrogate 4-Bromofluorobenzene		*95 2 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
C13-C28 (DRO)	ND	10	mg/kg	1	5053116	05/31/05	06/02/05	EPA 8015m	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND	5 0	ug/kg	1	5053115	05/31/05	06/01/05	EPA 8021B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5 0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*101 %*	*65-135*		"	"	"	"	

SunStar Laboratories, Inc.

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Dennis Dorning, Project Manager

Apex Envirotech Inc	Project: Calvery Christian Center	
11244 Pyrites Way	Project Number: CCC01.001	**Reported:**
Gold River CA, 95670	Project Manager: Tom Landwehr	06/02/05 16:23

GP-2-18.5
I500657-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	ND	500	ug/kg	1	5053115	05/31/05	06/01/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
C13-C28 (DRO)	ND	10	mg/kg	1	5053116	05/31/05	06/02/05	EPA 8015m	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND	5.0	ug/kg	1	5053115	05/31/05	06/01/05	EPA 8021B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*	*65-135*		"	"	"	"	

SunStar Laboratories, Inc.

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Dennis Dorning, Project Manager

Apex Envirotech, Inc.	Project: Calvery Christian Center	
11244 Pyrites Way	Project Number: CCC01.001	**Reported:**
Gold River CA, 95670	Project Manager: Tom Landwehr	06/02/05 16:23

GP-5-4
I500657-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	ND	500	ug/kg	1	5053115	05/31/05	06/01/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*101 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
C13-C28 (DRO)	ND	10	mg/kg	1	5053116	05/31/05	06/02/05	EPA 8015m	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND	5.0	ug/kg	1	5053115	05/31/05	06/01/05	EPA 8021B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*	*65-135*		"	"	"	"	

SunStar Laboratories, Inc.

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Dennis Dorning, Project Manager

Apex Envirotech, Inc. 11244 Pyrites Way Gold River CA, 95670	Project: Calvery Christian Center Project Number: CCC01.001 Project Manager: Tom Landwehr	**Reported:** 06/02/05 16:23

GP-5-10
T500657-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	ND	500	ug/kg	1	5053115	05/31/05	06/01/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*70.0 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
C13-C28 (DRO)	ND	10	mg/kg	1	5053116	05/31/05	06/02/05	EPA 8015m	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND	5.0	ug/kg	1	5053115	05/31/05	06/01/05	EPA 8021B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*66.5 %*	*65-135*		"	"	"	"	

SunStar Laboratories, Inc.

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Dennis Dorning, Project Manager

Apex Envirotech, Inc 11244 Pyrites Way Gold River CA, 95670	Project: Calvery Christian Center Project Number: CCC01.001 Project Manager: Tom Landwehr	**Reported:** 06/02/05 16:23

GP-6-4
T500657-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	ND	500	ug/kg	1	5053115	05/31/05	06/01/05	EPA 8015m	
Surrogate 4-Bromofluorobenzene		*97.6 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
C13-C28 (DRO)	ND	10	mg/kg	1	5053116	05/31/05	06/02/05	EPA 8015m	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND	5.0	ug/kg	1	5053115	05/31/05	06/01/05	EPA 8021B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate 4-Bromofluorobenzene		*104 %*	*65-135*		"	"	"	"	

SunStar Laboratories, Inc.

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Dennis Dorning, Project Manager

Apex Envirotech Inc. 11244 Pyrites Way Gold River CA, 95670	Project: Calvery Christian Center Project Number: CCC01 001 Project Manager: Tom Landwehr	**Reported:** 06/02/05 16:23

GP-6-10
I500657-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Purgeable Petroleum Hydrocarbons by EPA 8015m									
C6-C12 (GRO)	ND	500	ug/kg	1	5053115	05/31/05	06/02/05	EPA 8015m	
Surrogate: 4-Bromofluorobenzene		*99.2 %*	*65-135*		"	"	"	"	
Extractable Petroleum Hydrocarbons by 8015									
C13-C28 (DRO)	ND	10	mg/kg	1	5053116	05/31/05	06/02/05	EPA 8015m	
C29-C40 (MORO)	ND	10	"	"	"	"	"	"	
Volatile Organic Compounds by EPA Method 8021B									
Benzene	ND	5.0	ug/kg	1	5053115	05/31/05	06/02/05	EPA 8021B	
Toluene	ND	5.0	"	"	"	"	"	"	
Ethylbenzene	ND	5.0	"	"	"	"	"	"	
m,p-Xylene	ND	10	"	"	"	"	"	"	
o-Xylene	ND	5.0	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*102 %*	*65-135*		"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety

Dennis Dorning, Project Manager

Apex Envirotech, Inc.	Project: Calvery Christian Center	
11244 Pyrites Way	Project Number: CCC01.001	**Reported:**
Gold River CA, 95670	Project Manager: Tom Landwehr	06/02/05 16:23

GP-7Ang-11.5
T500657-11 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SunStar Laboratories, Inc.									
Metals by EPA 6000/7000 Series Methods									
Cadmium	ND	2.0	mg/kg	1	5053111	05/31/05	06/01/05	EPA 6010B	
Chromium	**54**	2.0	"	"	"	"	"	"	
Lead	**3.4**	3.0	"	"	"	"	"	"	
Nickel	**29**	2.0	"	"	"	"	"	"	
Zinc	**42**	2.0	"	"	"	"	"	"	
Polychlorinated Biphenyls by EPA Method 8082									
PCB-1016	ND	10	ug/kg	1	5053112	05/31/05	06/01/05	EPA 8082	
PCB-1221	ND	10	"	"	"	"	"	"	
PCB-1232	ND	10	"	"	"	"	"	"	
PCB-1242	ND	10	"	"	"	"	"	"	
PCB-1248	ND	10	"	"	"	"	"	"	
PCB-1254	ND	10	"	"	"	"	"	"	
PCB-1260	ND	10	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*117 %*	*35-140*		"	"	"	"	
Volatile Organic Compounds by EPA Method 8260B									
Bromobenzene	ND	2.0	ug/kg	1	5053113	05/31/05	06/01/05	EPA 8260B	
Bromochloromethane	ND	2.0	"	"	"	"	"	"	
Bromodichloromethane	ND	2.0	"	"	"	"	"	"	
Bromoform	ND	2.0	"	"	"	"	"	"	
Bromomethane	ND	2.0	"	"	"	"	"	"	
n-Butylbenzene	ND	2.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	2.0	"	"	"	"	"	"	
tert-Butylbenzene	ND	2.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	2.0	"	"	"	"	"	"	
Chlorobenzene	ND	2.0	"	"	"	"	"	"	
Chloroethane	ND	2.0	"	"	"	"	"	"	
Chloroform	ND	2.0	"	"	"	"	"	"	
Chloromethane	ND	2.0	"	"	"	"	"	"	
2-Chlorotoluene	ND	2.0	"	"	"	"	"	"	
4-Chlorotoluene	ND	2.0	"	"	"	"	"	"	
Dibromochloromethane	ND	2.0	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	2.0	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.0	"	"	"	"	"	"	
Dibromomethane	ND	2.0	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	2.0	"	"	"	"	"	"	

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Dennis Dorning, Project Manager

Apex Envirotech, Inc.	Project: Calvery Christian Center	
11244 Pyrites Way	Project Number: CCC01.001	**Reported:**
Gold River CA, 95670	Project Manager: Tom Landwehr	06/02/05 16:23

GP-7Ang-11.5
T500657-11 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
1,4-Dichlorobenzene	ND	2.0	ug/kg	1	5053113	05/31/05	06/01/05	EPA 8260B	
Dichlorodifluoromethane	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethane	ND	2.0	"	"	"	"	"	"	
1,2-Dichloroethane	ND	2.0	"	"	"	"	"	"	
1,1-Dichloroethene	ND	2.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	2.0	"	"	"	"	"	"	
1,2-Dichloropropane	ND	2.0	"	"	"	"	"	"	
1,3-Dichloropropane	ND	2.0	"	"	"	"	"	"	
2,2-Dichloropropane	ND	2.0	"	"	"	"	"	"	
1,1-Dichloropropene	ND	2.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	2.0	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	2.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	2.0	"	"	"	"	"	"	
Isopropylbenzene	ND	2.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	2.0	"	"	"	"	"	"	
Methylene chloride	ND	2.0	"	"	"	"	"	"	
Naphthalene	ND	2.0	"	"	"	"	"	"	
n-Propylbenzene	ND	2.0	"	"	"	"	"	"	
Styrene	ND	2.0	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	2.0	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	2.0	"	"	"	"	"	"	
Tetrachloroethene	ND	2.0	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	2.0	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	2.0	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	2.0	"	"	"	"	"	"	
Trichloroethene	ND	2.0	"	"	"	"	"	"	
Trichlorofluoromethane	ND	2.0	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	2.0	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	2.0	"	"	"	"	"	"	
Vinyl chloride	ND	2.0	"	"	"	"	"	"	
Benzene	ND	2.0	"	"	"	"	"	"	
Toluene	ND	2.0	"	"	"	"	"	"	
Ethylbenzene	ND	2.0	"	"	"	"	"	"	
m,p-Xylene	ND	4.0	"	"	"	"	"	"	

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Dennis Dorning, Project Manager

Apex Envirotech, Inc.	Project: Calvery Christian Center	
11244 Pyrites Way	Project Number: CCC01 001	**Reported:**
Gold River CA, 95670	Project Manager: Tom Landwehr	06/02/05 16:23

GP-7Ang-11.5
T500657-11 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Volatile Organic Compounds by EPA Method 8260B									
o-Xylene	ND	2.0	ug/kg	1	5053113	05/31/05	06/01/05	EPA 8260B	
Surrogate: Toluene-d8		*96.8 %*	*85.8-113*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.2 %*	*73.5-115*		"	"	"	"	
Surrogate: Dibromofluoromethane		*110 %*	*79-126*		"	"	"	"	
Semivolatile Organic Compounds by EPA Method 8270C									
Carbazole	ND	300	ug/kg	1	5053110	05/31/05	06/02/05	EPA 8270C	PRELM
Aniline	ND	300	"	"	"	"	"	"	PRELM
Phenol	ND	300	"	"	"	"	"	"	PRELM
2-Chlorophenol	ND	300	"	"	"	"	"	"	PRELM
1,4-Dichlorobenzene	ND	300	"	"	"	"	"	"	PRELM
N-Nitrosodi-n-propylamine	ND	300	"	"	"	"	"	"	PRELM
1,2,4-Trichlorobenzene	ND	300	"	"	"	"	"	"	PRELM
4-Chloro-3-methylphenol	ND	300	"	"	"	"	"	"	PRELM
1-Methylnaphthalene	ND	300	"	"	"	"	"	"	PRELM
2-Methylnaphthalene	ND	300	"	"	"	"	"	"	PRELM
Acenaphthene	ND	300	"	"	"	"	"	"	PRELM
4-Nitrophenol	ND	500	"	"	"	"	"	"	PRELM
2,4-Dinitrotoluene	ND	300	"	"	"	"	"	"	PRELM
Pentachlorophenol	ND	500	"	"	"	"	"	"	PRELM
Pyrene	ND	300	"	"	"	"	"	"	PRELM
Acenaphthylene	ND	300	"	"	"	"	"	"	PRELM
Anthracene	ND	300	"	"	"	"	"	"	PRELM
Benzo (a) anthracene	ND	300	"	"	"	"	"	"	PRELM
Benzo (b) fluoranthene	ND	300	"	"	"	"	"	"	PRELM
Benzo (k) fluoranthene	ND	300	"	"	"	"	"	"	PRELM
Benzo (g,h,i) perylene	ND	1000	"	"	"	"	"	"	PRELM
Benzo (a) pyrene	ND	300	"	"	"	"	"	"	PRELM
Benzyl alcohol	ND	300	"	"	"	"	"	"	PRELM
Bis(2-chloroethoxy)methane	ND	300	"	"	"	"	"	"	PRELM
Bis(2-chloroethyl)ether	ND	300	"	"	"	"	"	"	PRELM
Bis(2-chloroisopropyl)ether	ND	300	"	"	"	"	"	"	PRELM
Bis(2-ethylhexyl)phthalate	ND	300	"	"	"	"	"	"	PRELM
4-Bromophenyl phenyl ether	ND	300	"	"	"	"	"	"	PRELM
Butyl benzyl phthalate	ND	300	"	"	"	"	"	"	PRELM
4-Chloroaniline	ND	300	"	"	"	"	"	"	PRELM
2-Chloronaphthalene	ND	300	"	"	"	"	"	"	PRELM

SunStar Laboratories, Inc

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Dennis Dorning, Project Manager

Apex Envirotech, Inc.	Project: Calvery Christian Center	
11244 Pyrites Way	Project Number: CCC01 001	**Reported:**
Gold River CA, 95670	Project Manager: Tom Landwehr	06/02/05 16:23

GP-7Ang-11.5
T500657-11 (Soil)

SunStar Laboratories, Inc.

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
4-Chlorophenyl phenyl ether	ND	300	ug/kg	1	5053110	05/31/05	06/02/05	EPA 8270C	PRELM
Chrysene	ND	300	"	"	"	"	"	"	PRELM
Dibenz (a,h) anthracene	ND	300	"	"	"	"	"	"	PRELM
Dibenzofuran	ND	300	"	"	"	"	"	"	PRELM
Di-n-butyl phthalate	ND	300	"	"	"	"	"	"	PRELM
1,2-Dichlorobenzene	ND	300	"	"	"	"	"	"	PRELM
1,3-Dichlorobenzene	ND	300	"	"	"	"	"	"	PRELM
2,4-Dichlorophenol	ND	300	"	"	"	"	"	"	PRELM
Diethyl phthalate	ND	300	"	"	"	"	"	"	PRELM
2,4-Dimethylphenol	ND	300	"	"	"	"	"	"	PRELM
Dimethyl phthalate	ND	300	"	"	"	"	"	"	PRELM
4,6-Dinitro-2-methylphenol	ND	300	"	"	"	"	"	"	PRELM
2,4-Dinitrophenol	ND	300	"	"	"	"	"	"	PRELM
2,6-Dinitrotoluene	ND	1000	"	"	"	"	"	"	PRELM
Di-n-octyl phthalate	ND	300	"	"	"	"	"	"	PRELM
Fluoranthene	ND	300	"	"	"	"	"	"	PRELM
Fluorene	ND	300	"	"	"	"	"	"	PRELM
Hexachlorobenzene	ND	1500	"	"	"	"	"	"	PRELM
Hexachlorobutadiene	ND	300	"	"	"	"	"	"	PRELM
Hexachlorocyclopentadiene	ND	1000	"	"	"	"	"	"	PRELM
Hexachloroethane	ND	300	"	"	"	"	"	"	PRELM
Indeno (1,2,3-cd) pyrene	ND	300	"	"	"	"	"	"	PRELM
Isophorone	ND	300	"	"	"	"	"	"	PRELM
2-Methylphenol	ND	300	"	"	"	"	"	"	PRELM
4-Methylphenol	ND	1000	"	"	"	"	"	"	PRELM
Naphthalene	ND	300	"	"	"	"	"	"	PRELM
2-Nitroaniline	ND	300	"	"	"	"	"	"	PRELM
3-Nitroaniline	ND	300	"	"	"	"	"	"	PRELM
4-Nitroaniline	ND	300	"	"	"	"	"	"	PRELM
Nitrobenzene	ND	1000	"	"	"	"	"	"	PRELM
2-Nitrophenol	ND	500	"	"	"	"	"	"	PRELM
N-Nitrosodimethylamine	ND	300	"	"	"	"	"	"	PRELM
N-Nitrosodiphenylamine	ND	300	"	"	"	"	"	"	PRELM
2,3,5,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	PRELM
2,3,4,6-Tetrachlorophenol	ND	300	"	"	"	"	"	"	PRELM
Phenanthrene	ND	300	"	"	"	"	"	"	PRELM
2,4,5-Trichlorophenol	ND	1000	"	"	"	"	"	"	PRELM

SunStar Laboratories, Inc.

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Dennis Dorning, Project Manager

Apex Envirotech Inc.	Project: Calvery Christian Center	
11244 Pyrites Way	Project Number: CCC01.001	**Reported:**
Gold River CA, 95670	Project Manager: Tom Landwehr	06/02/05 16:23

GP-7Ang-11.5
T500657-11 (Soil)

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Semivolatile Organic Compounds by EPA Method 8270C									
2,4,6-Trichlorophenol	ND	300	ug/kg	1	5053110	05/31/05	06/02/05	EPA 8270C	PRELM
Surrogate: 2-Fluorophenol		*25.7 %*	*15-121*		"	"	"	"	*PRELM*
Surrogate: Phenol-d6		*57.7 %*	*24-113*		"	"	"	"	*PRELM*
Surrogate: Nitrobenzene-d5		*29.7 %*	*23-120*		"	"	"	"	*PRELM*
Surrogate: 2-Fluorobiphenyl		*35.7 %*	*30-115*		"	"	"	"	*PRELM*
Surrogate: 2,4,6-Tribromophenol		*94.3 %*	*19-122*		"	"	"	"	*PRELM*
Surrogate: Terphenyl-dl4		*26.8 %*	*18-137*		"	"	"	"	*PRELM*
Conventional Chemistry Parameters by APHA/EPA Methods									
TRPH	ND	10	mg/kg	1	5053114	05/31/05	05/31/05	EPA 418.1	

SunStar Laboratories, Inc.

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Dennis Dorning, Project Manager

Purgeable Petroleum Hydrocarbons by EPA 8015m - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5053115 - EPA 5030 GC										
Blank (5053115-BLK1)				Prepared: 05/31/05 Analyzed: 06/02/05						
C6-C12 (GRO)	ND	500	ug/kg							
Surrogate: 4-Bromofluorobenzene	*109*		"	*125*		*87.2*	*65-135*			
LCS (5053115-BS1)				Prepared: 05/31/05 Analyzed: 06/01/05						
C6-C12 (GRO)	11800	500	ug/kg	13800		85.5	75-125			
Surrogate: 4-Bromofluorobenzene	*123*		"	*125*		*98.4*	*65-135*			
LCS Dup (5053115-BSD1)				Prepared: 05/31/05 Analyzed: 06/02/05						
C6-C12 (GRO)	13800	500	ug/kg	13800		100	75-125	15.6	20	
Surrogate: 4-Bromofluorobenzene	*133*		"	*125*		*106*	*65-135*			

SunStar Laboratories, Inc.

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Dennis Dorning, Project Manager

Apex Envirotech, Inc. 11244 Pyrites Way Gold River CA, 95670	Project: Calvery Christian Center Project Number: CCC01 001 Project Manager: Tom Landwehr	**Reported:** 06/02/05 16:23

Extractable Petroleum Hydrocarbons by 8015 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5053116 - EPA 3550B GC										
Blank (5053116-BLK1)				Prepared: 05/31/05 Analyzed: 06/02/05						
C13-C28 (DRO)	ND	10	mg/kg							
C29-C40 (MORO)	ND	10	"							
LCS (5053116-BS1)				Prepared: 05/31/05 Analyzed: 06/02/05						
C13-C28 (DRO)	560	10	mg/kg	500		112	75-125			
Matrix Spike (5053116-MS1)	**Source: I500657-01**			Prepared: 05/31/05 Analyzed: 06/02/05						
C13-C28 (DRO)	550	10	mg/kg	500	ND	110	75-125			
Matrix Spike Dup (5053116-MSD1)	**Source: I500657-01**			Prepared: 05/31/05 Analyzed: 06/02/05						
C13-C28 (DRO)	570	10	mg/kg	500	ND	114	75-125	3.57	20	

SunStar Laboratories, Inc.

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Dennis Dorning, Project Manager

Apex Envirotech Inc	Project: Calvery Christian Center	
11244 Pyrites Way	Project Number: CCC01 001	**Reported:**
Gold River CA, 95670	Project Manager: Tom Landwehr	06/02/05 16:23

Metals by EPA 6000/7000 Series Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5053111 - EPA 3051										
Blank (5053111-BLK1)				Prepared: 05/31/05 Analyzed: 06/01/05						
Cadmium	ND	2.0	mg/kg							
Chromium	ND	2.0	"							
Lead	ND	3.0	"							
Nickel	ND	2.0	"							
Zinc	ND	2.0	"							
LCS (5053111-BS1)				Prepared: 05/31/05 Analyzed: 06/01/05						
Cadmium	116	2.0	mg/kg	100		116	75-125			
Chromium	115	2.0	"	100		115	75-125			
Lead	116	3.0	"	100		116	75-125			
Matrix Spike (5053111-MS1)		**Source: T500657-11**		Prepared: 05/31/05 Analyzed: 06/01/05						
Cadmium	109	2.0	mg/kg	100	1.5	108	75-125			
Chromium	156	2.0	"	100	54	102	75-125			
Lead	110	3.0	"	100	3.4	107	75-125			
Matrix Spike Dup (5053111-MSD1)		**Source: T500657-11**		Prepared: 05/31/05 Analyzed: 06/01/05						
Cadmium	102	2.0	mg/kg	100	1.5	100	75-125	6.64	20	
Chromium	176	2.0	"	100	54	122	75-125	12.0	20	
Lead	107	3.0	"	100	3.4	104	75-125	2.76	20	

SunStar Laboratories, Inc

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Dennis Dorning, Project Manager

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5053112 - EPA 3550 ECD/GCMS										
Blank (5053112-BLK1)				Prepared: 05/31/05 Analyzed: 06/01/05						
PCB-1016	ND	10	ug/kg							
PCB-1221	ND	10	"							
PCB-1232	ND	10	"							
PCB-1242	ND	10	"							
PCB-1248	ND	10	"							
PCB-1254	ND	10	"							
PCB-1260	ND	10	"							
Surrogate: Tetrachloro-meta-xylene	*7.60*		"	*10.0*		*76.0*	*35-140*			
LCS (5053112-BS1)				Prepared: 05/31/05 Analyzed: 06/01/05						
PCB-1016	56.3	10	ug/kg	100		56.3	40-130			
PCB-1260	61.1	10	"	100		61.1	40-130			
Surrogate: Tetrachloro-meta-xylene	*7.33*		"	*10.0*		*73.3*	*35-140*			
Matrix Spike (5053112-MS1)		**Source: I500657-11**		Prepared: 05/31/05 Analyzed: 06/01/05						
PCB-1016	54.4	10	ug/kg	100	ND	54.4	40-130			
PCB-1260	58.8	10	"	100	ND	58.8	40-130			
Surrogate: Tetrachloro-meta-xylene	*7.62*		"	*10.0*		*76.2*	*35-140*			
Matrix Spike Dup (5053112-MSD1)		**Source: I500657-11**		Prepared: 05/31/05 Analyzed: 06/01/05						
PCB-1016	51.9	10	ug/kg	100	ND	51.9	40-130	4.70	30	
PCB-1260	64.0	10	"	100	ND	64.0	40-130	8.47	30	
Surrogate: Tetrachloro-meta-xylene	*6.05*		"	*10.0*		*60.5*	*35-140*			

SunStar Laboratories, Inc.

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Dennis Dorning, Project Manager

Volatile Organic Compounds by EPA Method 8021B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5053115 - EPA 5030 GC										
Blank (5053115-BLK1)				Prepared: 05/31/05 Analyzed: 06/02/05						
Benzene	ND	5.0	ug/kg							
Toluene	ND	5.0	"							
Ethylbenzene	ND	5.0	"							
m,p-Xylene	ND	10	"							
o-Xylene	ND	5.0	"							
Surrogate: 4-Bromofluorobenzene	*111*		"	*125*		*88.8*	*65-135*			
LCS (5053115-BS1)				Prepared: 05/31/05 Analyzed: 06/01/05						
Benzene	198	5.0	ug/kg	200		99.0	70-130			
Toluene	965	5.0	"	998		96.7	70-130			
Ethylbenzene	220	5.0	"	235		93.6	70-130			
m,p-Xylene	774	10	"	818		94.6	70-130			
o-Xylene	307	5.0	"	325		94.5	70-130			
Surrogate: 4-Bromofluorobenzene	*126*		"	*125*		*101*	*65-135*			
LCS Dup (5053115-BSD1)				Prepared: 05/31/05 Analyzed: 06/02/05						
Benzene	222	5.0	ug/kg	200		111	70-130	11.4	20	
Toluene	1070	5.0	"	998		107	70-130	10.3	20	
Ethylbenzene	246	5.0	"	235		105	70-130	11.2	20	
m,p-Xylene	869	10	"	818		106	70-130	11.6	20	
o-Xylene	341	5.0	"	325		105	70-130	10.5	20	
Surrogate: 4-Bromofluorobenzene	*130*		"	*125*		*104*	*65-135*			

SunStar Laboratories, Inc

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Dennis Dorning, Project Manager

Apex Envirotech Inc	Project: Calvery Christian Center	
11244 Pyrites Way	Project Number: CCC01.001	**Reported:**
Gold River CA, 95670	Project Manager: Tom Landwehr	06/02/05 16:23

Volatile Organic Compounds by EPA Method 8260B - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5053113 - EPA 5030 GCMS										
Blank (5053113-BLK1)				Prepared: 05/31/05 Analyzed: 06/01/05						
Benzene	ND	2.0	ug/kg							
Toluene	ND	2.0	"							
Ethylbenzene	ND	2.0	"							
m,p-Xylene	ND	4.0	"							
o-Xylene	ND	2.0	"							
Tert-amyl methyl ether	ND	5.0	"							
Tert-butyl alcohol	ND	20	"							
Di-isopropyl ether	ND	5.0	"							
Ethyl tert-butyl ether	ND	5.0	"							
Methyl tert-butyl ether	ND	5.0	"							
C6-C12 (GRO)	ND	500	"							
Surrogate: Toluene-d8	*94.6*		"	*100*		*94.6*	*85.8-113*			
Surrogate: 4-Bromofluorobenzene	*99.6*		"	*100*		*99.6*	*73.5-115*			
Surrogate: Dibromofluoromethane	*112*		"	*100*		*112*	*79-126*			
LCS (5053113-BS1)				Prepared: 05/31/05 Analyzed: 06/01/05						
Benzene	273	2.0	ug/kg	250		109	75-125			
Toluene	261	2.0	"	250		104	75-125			
Surrogate: Toluene-d8	*104*		"	*100*		*104*	*85.8-113*			
Surrogate: 4-Bromofluorobenzene	*104*		"	*100*		*104*	*73.5-115*			
Surrogate: Dibromofluoromethane	*111*		"	*100*		*111*	*79-126*			
LCS Dup (5053113-BSD1)				Prepared: 05/31/05 Analyzed: 06/02/05						
Benzene	276	2.0	ug/kg	250		110	75-125	1.09	20	
Toluene	263	2.0	"	250		105	75-125	0.763	20	
Surrogate: Toluene-d8	*98.0*		"	*100*		*98.0*	*85.8-113*			
Surrogate: 4-Bromofluorobenzene	*104*		"	*100*		*104*	*73.5-115*			
Surrogate: Dibromofluoromethane	*105*		"	*100*		*105*	*79-126*			

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety

Dennis Dorning, Project Manager

Apex Envirotech Inc	Project: Calvery Christian Center	
11244 Pyrites Way	Project Number: CCC01 001	**Reported:**
Gold River CA, 95670	Project Manager: Tom Landwehr	06/02/05 16:23

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 5053114 - 418.1 / 5520C&F Mod.										
Blank (5053114-BLK1)				Prepared & Analyzed: 05/31/05						
TRPH	ND	10	mg/kg							
LCS (5053114-BS1)				Prepared & Analyzed: 05/31/05						
TRPH	120	10	mg/kg	131		91.6	75-125			
Matrix Spike (5053114-MS1)		Source: T500657-11		Prepared & Analyzed: 05/31/05						
TRPH	140	10	mg/kg	131	ND	107	75-125			
Matrix Spike Dup (5053114-MSD1)		Source: T500657-11		Prepared & Analyzed: 05/31/05						
TRPH	150	10	mg/kg	131	ND	115	75-125	6 90	20	

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Dennis Dorning, Project Manager

Notes and Definitions

PRELM	Preliminary result. Revised report to follow.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Dennis Dorning, Project Manager